HITACHI

SERVICE MANUAL

NTSC

PT3-E/G AVC3-U Chassis

PA **No. 0174**

32HDT50/55: PT3-E Chassis
42HDT50/55: PT3-G Chassis
AVC50: AVC3-U Chassis

R/C: CLU-5726TSI

TO GO TO A CHAPTER, CLICK ON ITS HEADING BELOW

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CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Before servicing this chassis, it is important that the service technician read the “IMPORTANT SAFETY INSTRUCTIONS” in this service manual.

SAFETY NOTICE
USE ISOLATION TRANSFORMER WHEN SERVICING

Components having special safety characteristics are identified by a ⚠ on the schematics and on the parts list in this Service Data and its supplements and bulletins. Before servicing the chassis, it is important that the service technician read and follow the “Important Safety Instructions” in this Service Manual.

NOTE: This product is to be serviced at board level.

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

PLASMA DISPLAY PANEL

APRIL 2003 **HHEA-MANUFACTURING DIVISION**
Version 0174.03

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety-related notes located on or inside the cover case and on the chassis or plasma module.

WARNING: Since the chassis of the AVC unit and Plasma Panel unit is connected to both sides of the AC power supply during operation, whenever the receiver is plugged in, service should not be attempted by anyone unfamiliar with the precautions necessary when working on this type of receiver.

1. When service is required, an isolation transformer should be inserted between power line and the receiver before any service is performed on a "HOT" chassis receiver.

2. When replacing a chassis in the receiver, all the protective devices must be put back in place, such as barriers, non-metallic knobs, insulating cover-shields, and isolation resistors, capacitors, etc.

3. When service is required, observe the original lead dress.

4. Always use manufacturer's replacement components. Critical components as indicated on the circuit diagram should not be replaced by another manufacturer's. Furthermore, where a short circuit has occurred, replace those components that indicate evidence of over heating.

5. Before returning a serviced receiver to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the receiver by the manufacturer has become defective, or inadvertently defeated during servicing.

Therefore, the following checks should be performed for the continued protection of the customer and service technician.

Leakage Current Cold Check

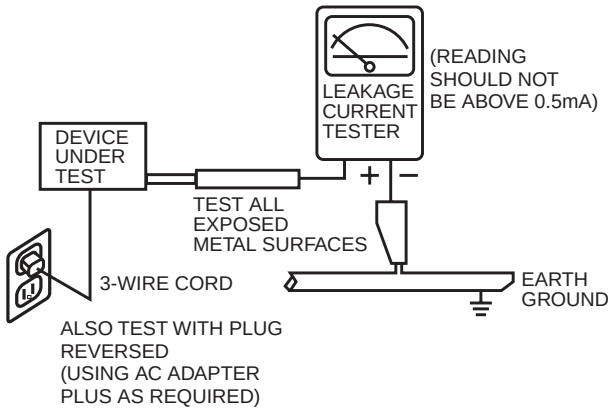
With the AC plug removed from the 120V AC 60Hz source, place a jumper across Line 1 and Line 2 of the three plug prongs, do not connect with the third prong, which is physical ground.

Using an insulation tester (DC500V), connect one of its leads to the AC plug jumper and touch with the other lead each exposed metal part (antennas, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis should have a resistor reading over 4MΩ. Any resistance value below this range indicates an abnormality which requires corrective action. An exposed metal part not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

This check must be done considering the AVC or the PDP monitor as one instrument each.

With any of the instruments completely reassembled (being the instrument either the AVC center or the PDP monitor), plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with the American National Standards Institute (ANSI) C101.0 Leakage Current for Appliances. In the case of the PDP monitor set the AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal waterpipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle bracket, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamps. Reverse the instrument power cord plug in the outlet and repeat test.



AC LEAKAGE TEST

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE RECEIVER TO THE CUSTOMER.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in HITACHI television receivers have special safety-related characteristics. These are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified with a ⚠ mark in the schematics and parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the HITACHI-recommended replacement component, shown in the parts list in this Service Manual, may create shock, fire, X-radiation, or other hazards.

Product safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current HITACHI Service Manual. A subscription to, or additional copies of HITACHI Service Manuals may be obtained at a nominal charge from HITACHI Sales Corporation.

AVC50 - Audio Video Control Unit

1. Follow the general caution recommendations from “Safety precautions” section.

32HDT50M/55M - Plasma Monitor Unit
42HDT50M/55M - Plasma Monitor Unit

1. Follow the general caution recommendations from “Safety precautions” section.
2. Since the Panel module and front filter are made of glass, sufficient care shall be taken when handling the broken module and filter in order to avoid injury.
3. If necessary to replace Panel module, this work must be started after the panel module and the AC/DC Power supply becomes sufficiently cool.
4. Special care must be taken with the display area to avoid damaging its surface.
5. The Panel Module shall not be touched with bare hands to protect its surface from stains.
6. It is recommended to use clean soft gloves during the replacing work of the Panel module in order to protect, not only the display area of the panel module but also the serviceman.
7. The Chip Tube of the panel module (located upper left of the back of the panel module) and flexible cables connecting Panel glasses to the drive circuitry Printed Wiring Boards (P.W.B.) are very weak, so sufficient care must be taken to prevent breaking or cutting any of these. If the Chip Tube breaks the panel module will never work, replacement for a new plasma panel module will be needed.
8. Signal, power supply P.W.B.’s and PDP driving circuits P.W.B.’s are assembled on the rear side of the PDP module, take special care with this fragile circuitry; particularly, Flexible Printed Circuits bonded to surrounding edges of the glass panel. They are not strong enough to withstand harsh outer mechanical forces. Avoid touching the flexible printed circuits by not only your hands, but also tools, chassis, or any other object. Extreme bending of the connectors must be avoided too. In case the flexible printed circuits are damaged, the corresponding addressed portions of the screen will not be lit and exchange of a glass panel will be required.

PDP Module Handling

When there is need to replace a broken PDP module which is the displaying device from the Plasma monitor unit, consider the following:

1. When carrying the PDP module, two persons should stand at both shorter-edge sides of the glass-panel and transport it with their palms. Avoid touching the Flexible Printed Circuits or the chip tube on the corner of the glass-panel. Handle only by the surface of the glass panel. In case of some PDP modules, electrode repair is done by connecting between regular terminal with Cu tape and Cu wire. Please do not hook and/or damage this repair line. If it is damaged, the module will not function unless the glass-panel is exchanged with a new glass-panel.
2. When carrying PDP module, watch surrounding objects, such as tables, and also do not carry it alone since it may be dangerous and it will be damaged due to excessive stress to the module (glass-panel).
3. Please do not stand the module with the edge of the glass-panel on the table since this might result in damage to the glass-panel and/or flexible printed circuits due to excessive stress to the module (glass-panel).

WARNING
Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health and Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with solder. Also, when soldering make sure you are in a well ventilated area in order to avoid inhalation of any smoke or fumes released.

SAFETY NOTICE
USE ISOLATION TRANSFORMER
WHEN SERVICING

POWER SOURCE

This television receiver is designed to operate on 120 Volts/60Hz, AC house current. Insert the power cord into a 120 Volts/60Hz outlet.

NEVER CONNECT THE TV TO OTHER THAN THE SPECIFIED VOLTAGE OR TO DIRECT CURRENT.

SERVICING PRECAUTIONS

CAUTION: Before servicing instruments covered by this service data and its supplements and addenda, read and follow the "Important Safety Instructions" on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Guidelines

1. Always unplug the instrument AC power cord from the AC power source before:
   a. Removing or reinstalling any component, circuit board, module, or any other instrument assembly.

   b. Disconnecting or reconnecting any instrument electrical plug or other electrical connection.

   c. Connecting a test substitute in parallel with an electrolytic capacitor in the instrument.

   CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this instrument or any of its assemblies.

3. Unless specified otherwise in these service data, clean electrical contacts by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable nonabrasive applicator: 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength).
   CAUTION: This is a flammable mixture. Unless specified otherwise in these service data, lubrication of contacts is not required.

4. Do not defeat any plug/socket of voltage interlocks with which instruments covered by this service data might be equipped.

5. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat-sinks are correctly installed.

6. Always connect the test instrument ground lead to the appropriate instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

7. Use with this instrument only the test fixtures specified in this service data.
   CAUTION: Do not connect the test fixture ground strap to any heatsink in this instrument.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or desolder ES devices.

4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES device.

5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range 500°F to 600°F.

2. Use an appropriate gauge of resin-core solder composed of 60 parts tin/40 parts lead.

3. Keep the soldering iron tip clean and well-tinned.

4. Thoroughly clean the surfaces to be soldered. Use a small wire-bristle (0.5 inch or 1.25 cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.

5. Use the following desoldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).

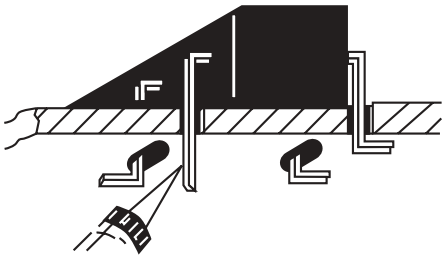
   b. Heat the component lead until the solder melts. Quickly draw away the melted solder with an anti-static, suction-type solder removal device or with solder braid.
      CAUTION: Work quickly to avoid overheating the circuit board printed foil.

6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).

   b. First, hold the soldering iron tip and solder strand against the component lead until the solder melts.

   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
      CAUTION: Work quickly to avoid overheating the circuit board printed foil or components.

   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.



Use Soldering Iron to Pry Leads

IC Removal/Replacement

Some Hitachi unitized chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.

2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.

2. Carefully bend each IC lead against the circuit foil pad and solder it.

3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to areas.)

"Small-signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.

2. Bend into a "U" shape the end of each of the three leads remaining on the circuit board.

3. Bend into a "U" shape the replacement transistor leads.

4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact, then solder each connection.

Power Output Transistor Devices Removal/Replacements

1. Heat and remove all solder from around the transistor leads.

2. Remove the heatsink mounting screw (if so equipped).

3. Carefully remove the transistor from the circuit board.

4. Insert new transistor in circuit board.

5. Solder each transistor lead, and clip off excess lead.

6. Replace heatsink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.

2. Bend the two remaining leads perpendicularly to the circuit board.

3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.

4. Securely crimp each connection and solder it.

5. Inspect (on the circuit board copper side) the solder joints of the two "original leads". If they are not shiny, reheat them and, if necessary, apply additional solder.

Fuses and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of circuit board hollow stake.

2. Securely crimp leads of replacement component around stake 1/8 inch from top.

3. Solder the connections.
   CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board, to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board, causing the foil to separate from, or "lift-off," the board. The following guidelines and procedures should be followed whenever this condition is encountered.

In Critical Copper Pattern Areas

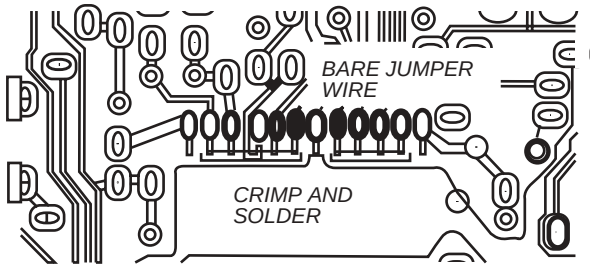
High component/copper pattern density and/or special voltage/current characteristics make the spacing and integrity of copper pattern in some circuit board areas more critical than in others. The circuit foil in these areas is designated as Critical Copper Pattern. Because Critical Copper Pattern requires special soldering techniques to ensure the maintenance of reliability and safety standards, contact your Hitachi personnel.

At IC Connections

To repair defective copper pattern at IC connections, use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections.)

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary.)

2. Carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.



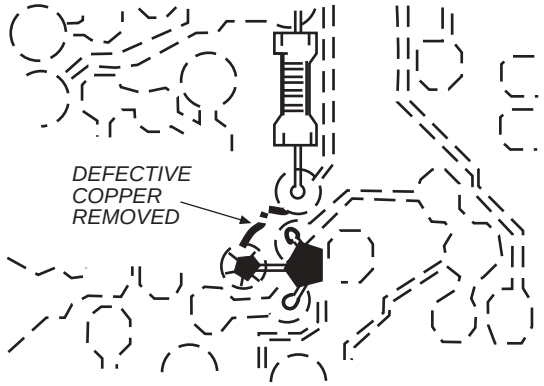
Install Jumper Wire and Solder

3. Bend a small "U" in one end of a small-gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.

4. Route the jumper wire along the path of the cut-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area, and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.



Insulated Jumper Wire

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure hazardous condition will not exist if the jumper wire opens.

2. Trace along the copper pattern from both wire sides of the pattern break and locate the nearest component directly connected to the affected copper pattern.

3. Connect insulated 20-gauge jumper wire from the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.
   CAUTION: Be sure the insulated jumper wire is dressed so that it does not touch components or sharp edges.

NOTE: ***These components are affixed with glue. Be careful not to break or damage any foil under the component or at the pins of the ICs when removing. Usually applying heat to the component for a short time while twisting with tweezers will break the component loose.***

Leadless Chip Components (surface mount)

Chip components must be replaced with identical chips due to critical foil track spacing. There are no holes in the board to mount standard transistors or diodes. Some chip capacitor or resistor board solder pads may have holes through the board, however the hole diameter limits standard resistor replacement to 1/8 watt. Standard capacitors may also be limited for the same reason. It is recommended that identical chip components be used. .

Chip resistors have a three digit numerical resistance code -1st and 2nd significant digits and a multiplier. Example: 162 = 1600 or 1.6KΩ resistor, 0 = 0Ω (jumper).

Chip capacitors generally do not have the value indicated on the capacitor. The color of the component indicates the general range of the capacitance.

Chip transistors are identified by a two letter code. The first letter indicates the type and the second letter, the grade of transistor.

Chip diodes have a two letter identification code as per the code chart and are a dual diode pack with either

common anode or common cathode. Check the parts list for correct diode number.

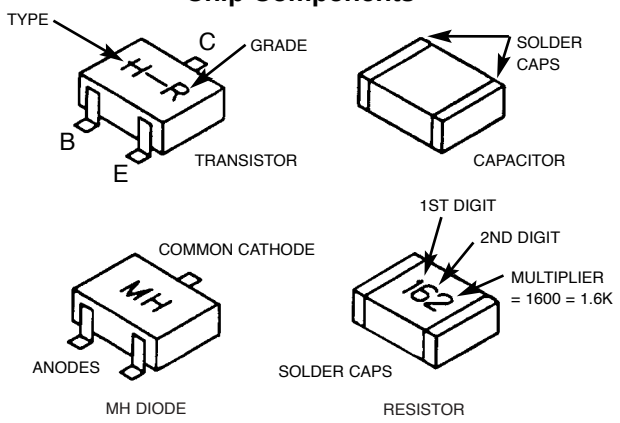
Component Removal

1. Use solder wick to remove solder from component end caps or terminals.
2. Without pulling up, carefully twist the component with tweezers to break the adhesive.
3. Do not reuse removed leadless or chip components since they are subject to stress fracture during removal .

Chip Component Installation

1. Put a small amount of solder on the board soldering pads.
2. Hold the chip component against the soldering pads with tweezers or with a miniature alligator clip and apply heat to the pad area with a 30 watt iron until solder flows. Do not apply heat for more than 3 seconds

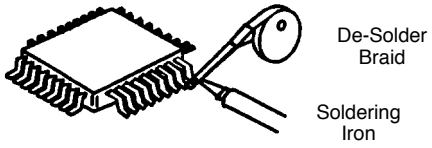
Chip Components



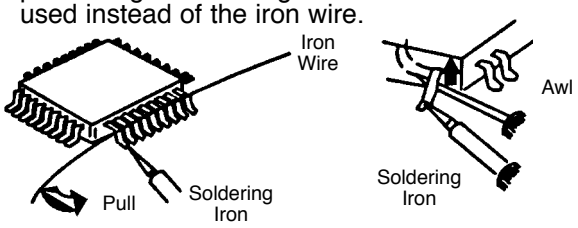
How to Replace Flat-IC —Required Tools—

- Soldering iron
- iron wire or small awl
- De-solder braids
- Magnifier

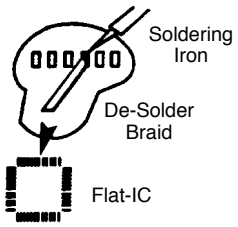
1. Remove the solder from all of the pins of a Flat-IC by using a de-solder braid.



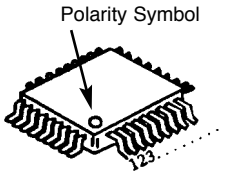
2. Put the iron wire under the pins of the Flat-IC and pull it in the direction indicated while heating the pins using a soldering iron. A small awl can be used instead of the iron wire.



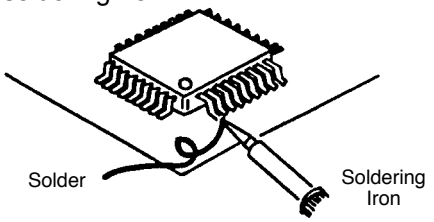
3. Remove the solder from all of the pads of the Fiat-IC by using a de-solder braid.



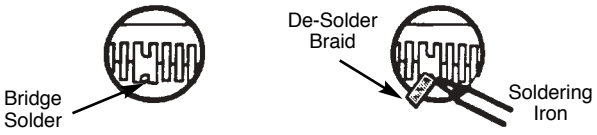
4. Position the new Flat-IC in place (apply the pins of the Flat-IC to the soldering pads where the pins need to be soldered). Properly determine the positions of the soldering pads and pins by correctly aligning the polarity symbol.



5. Solder all pins to the soldering pads using a fine tipped soldering iron.



6. Check with a magnifier for solder bridge between the pins or for dry joint between pins and soldering pads. To remove a solder bridge, use a de-solder braid as shown in the figure below.



AGENCY REGULATORY INFORMATION

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Hitachi Home Electronics (America), Inc. may void the user's warranty.

Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Any cables that are supplied with the system must be replaced with identical cables in order to assure compliance with FCC rules. Order Hitachi spares as replacement cables.

Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

For questions regarding this declaration, contact:

Hitachi America, LTD.
Home Electronics Division
900 Hitachi Way
Chula Vista, CA 91914
Tel. 1-800-448-2244 (1-800-HITACHI)
ATTN: CUSTOMER RELATIONS

ACKNOWLEDGMENTS AND TRADEMARKS

This Plasma Television complies with VESA DDC2B specifications, Plug & Play is a system with computer, peripherals (including monitors) and operating system. It works when the monitor is connected to a DDC ready computer that is running an operating system software that is capable for the plug & play.

When a Plug and Play PC is powered on, it sends a command to the Monitor requesting identification. The Monitor sends back a string of data including its characteristics.

TRADEMARK ACKNOWLEDGMENT

DDC™ is a trademark of Video Electronics Standard Association.
IBM PC/AT and VGA are registered trademarkds of International Business Machines Corporation of the U.S.A.
Apple and Macintosh are registered trademarks of Apple Computer, Inc.
VESA is a trademark of a nonprofit organization, Video Electronics Standard Association.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Cable Compatible Television Apparatus- Tèlèvision câblocompatible, Canada.

Notes on Closed Caption:
This Plasma Television receiver will display television closed captioning, (CC or), in accordance with paragraph 15.119 of the FCC rules.

TruBass and the SRS ((●)) ® symbol are trademarks of SRS Labs, Inc. TruBass technology is incorporated under license from SRS Labs, Inc.

INTRODUCTION

The 32HDT50M/55M and 42HDT50M/55M are a Plasma Television sets; They are constituted by the combination of two main parts, an AUDIO VIDEO CONTROL Center, and the Plasma Display monitor.
Each part has a model name and a chassis name:

Part	Model Name	Chassis Name
Audio Video Control Center	AVC50	AVC3-U
32” Plasma Display Monitor	32HDT50M/55M	PT3-E
42” Plasma Display Monitor	42HDT50M/55M	PT3-G

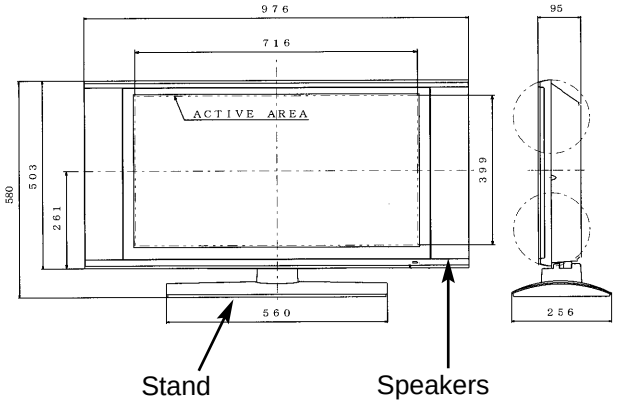
The AVC center is a box that controls most of the user functions of the complete TV set and conditions the signal before it arrives to the monitors.

The 32” and 42” monitors contain the displaying device, which is the plasma display panel module, and the driving circuitry, which receives the signal from the AVC center and after processing, delivers the image to the display module.

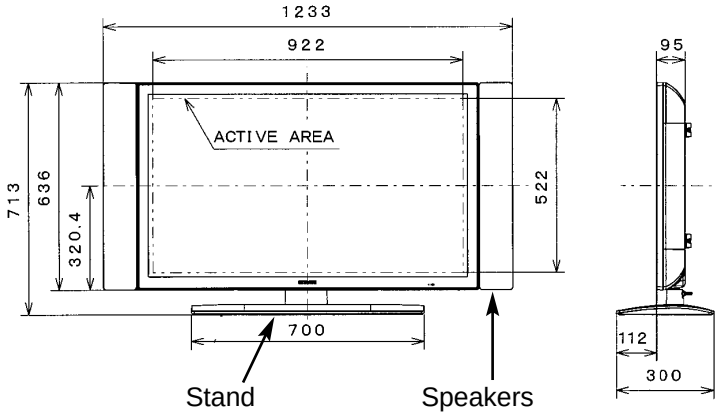
This HITACHI Service Manual is intended for the qualified service personnel and it contains the necessary information for troubleshooting the Plasma television set in case of malfunction.

DIMENSIONS:

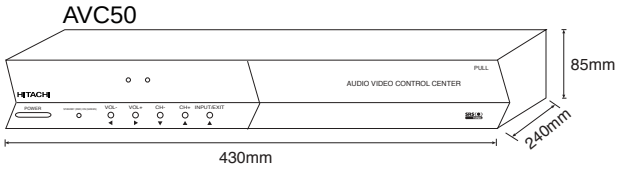
32HDT50M/55M



42HDT50M/55M



AVC50



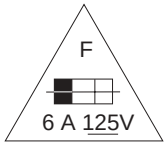
POWER RATINGS:

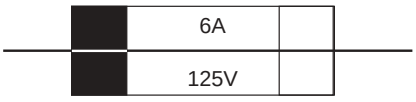
No.	Model Name	Indicated Value: Max Rating (W)	Indicated Value: Max Rating (A)	Indicated Value: Average Rating (W)	PST(W) (W)	Chassis
1	32HDT50M/55M	210	2.2	134	0.8	PT3-E
2	42HDT50M/55M	332	3.2	198	0.8	PT3-G
3	AVC50	30	0.5	26	2.7	AVC3-U

CIRCUIT PROTECTION

CAUTION: Below is an EXAMPLE only. See Replacement Parts List for details. The following symbol near the fuse indicates fast operation fuse (to be replaced). Fuse ratings appear within the symbol.

Example:





“RISK OF FIRE - REPLACE FUSE AS MARKED”

The rating of fuse F901 is 6A - 125V.
Replace with the same type fuse for continued protection against fire.

PDP MONITOR SPECIFICATIONS

Item	Model Name	32HDT50M/55M	42HDT50M/55M
Destination		U.S.A. / CANADA	←
Exterior	Cabinet Dimensions: (Main Body) (Speaker & stand included)	 976x503x95mm 976x580x258mm	 1030x636x95mm 1233x713x300mm
	Cabinet Color	Bluish Black/Bright Silver	Bright Silver
	Stand	Included	←
	Weight (Main Body) (Speaker & Stand included) (Main Body:Packed)	24.1 kg typ. 28.2 kg typ. 35.0 kg typ. (Packed)	29.5 kg typ. 39.8 kg typ. 44 kg typ. (Packed)
	Screen Size	716.68x399mm (32": 16x9)	922x522mm (42": 16x9)
Display Panel	Resolution	852x1024 pixels	1024x1024 pixels
	Dot Pitch (H)	0.84mm	0.90mm
	Dot Pitch (V)	0.39mm	0.51mm
	Viewing Angle (H)	±85˚	←
	Viewing Angle (V)	±85˚	←
Front Filter	Surface Finishing	AR Coating, Mesh	←
Brightness	Peak Brightness (4% window)	Over 230 cd/m^2 (When VIDEO, Sports, Color temperature 'HIGH' Input Signal Amplitude 100% is set) Over 230 cd/m^2 (When RGB is set)	Over 245 cd/m^2 (When VIDEO, Sports, Color termperature 'HIGH' Input Signal Amplitude 100% is set) (Over 245 cd/m^2 (When RGB is set)
	All White Pattern	Over 50 cd/m^2	Over 55 cd/m^2
Contrast	Contrast ratio	500:1 (typ.)	600:1 (typ.)
Color Reproduction	Color Reproduction	Over 16.7 million colors	←
Audio Output	Audio Output	7w + 7w (6Ω)	10w + 10w (6Ω)
Panel Operation	Main Power Switch	PUSH (LOCK) 1 Switch	←
	Sub Power Switch	PUSH (NON-LOCK) 1 Switch	←
Input Terminal	Video/Audio Input	24 pin DVI connector 1 system 8 pin Mini DIN connector 1	←
Output Terminal	Audio Line Output	Sub Woofer Output 1 system	←
	Speaker Output	None	←
Power Supply Source	Connector	3 Polarity Receptacle	←
	Input Voltage	Single Phase AC108~132V,60Hz	←
Guaranteed Environment Condition	Temp. (Operating)	5˚C~35˚C (41˚F~95˚F)	←
	Temperature (Stored)	-15˚C~60˚C(5˚F~140˚F)	←
	Humidity (Operating)	20~80%RH (Non-condensing)	←
	Humidity (Stored)	20~90%RH (Non-condensing)	←
	Atmospheric Pressure (Operating)	800 to 1114hPa (altitude: 1888m to -757m, 6194' to -2484')	←
	Atmospheric Pressure (Stored)	300 to 1114hPa (altitude: 9727m to -757m, 31,912' to -2484')	←

AVC SPECIFICATIONS (1 of 2)

Model	_			AVC50	
Dimension	Size		1	430mmx85mmx240mm	
	Weight		2	3.5 kg	
A/C Input Voltage	Input AC Voltage		3	AC108 ~132(with 3 Plug AC Power Cord inlet type ,1.8m length	
	Input AC Frequency		4	60Hz	
	Power Consumption		5	30w, Standby less than 2.7w	
Front End	Front End		6	ENGE6106DR/ENG36614GR	
	Available Channel		7	2 ~13	VHF
			8	14 ~ 69	UHF
			9	A-5 ~ A-1, A ~ W, W+1 ~ W+84	CATV
Input Signal	Video Signal		10	NTSC	
	Component Signal		11	480i/p,1080I, 720p	
	PC Signal		12	VGA ~ SXGA (fH:24KHz-109KHz,fV:50Hz-85Hz)	
	DVI Signal		13	480i,480p,720p,1080i(EIA-861A)	
Picture	Y/C separation		14	3D Y/C (ON fix)	
	Line Correction		15	No	
	I-P Conversion		16	Motion Adaptive & Multi Angle Interpolation	FC4
	Picture Mode		17	(Day, Night)	
	Display Mode		18	1024i (50inch:768p)	Video Signal
			19	1024i (50inch:768p)	Component Signal
			20	1024i (50inch:768p)	PinP Mode
			21	1024i (50inch:768p)	PC Signal
Sound Enhancement			22	TruBass (High, Medium, Low, Off) Matrix Surround (On/Off)	
Adjustment	Settings for Video Signal		22	Picture, Contrast, Brightness, Color, Tint ,Sharpness, W/B Temp, Black Enhancement ,Contrast Mode, Color Management/Decoding ,Auto Color, Noise Reduction, Auto Movie Mode. ,Black Side Panel	
	Settings for Video Signal		23	Contrast, Brightness, W/B Temp, Enhancer, Input Level, Black Side Panel.	
	Settings for PC Raster		24	Hor/Vert Raster Position, Horizontal Clock ,Clock Phase.	
	Settings for Sound		25	Vol, Balance, Bass, Treble, Source, Intenal Speaker, Auto Noise Cancel, Perfect Volume, Mute.	
General Function	PinP Mode	Split	26	With(All video signal combinations, except PC signal)	
		Strobe	27	With(4Pix:only ANT A/B,Video,480i)	
		Surf	28	With(SURF12:only ANT A/B)	
		POP	29	With(Main: ANT A/B,Video,480i Sub: ANT A/B,Video,480i,1080i)	
		PIP	30	With(Main:1080i Sub: ANT A/B,Video,480i,1080i)	
		PC-Window	31	With(Main: RGB Sub: All video signal, except PC signal)	
	Wide Mode		32	6Mode (only NTSC,480i,480p)	
	Aspect Selection	Video	33	4:3 Standard/16:9 Standard/ 4:3 Expanded/Zoom 1/Zoom 2/16:9 Zoom	
		PC	34	Full/Normal/Real (Real only VGA/SVGA/XGA mode)	
	Film Theater		35	With (Auto Movie Mode: On/Off)	
	Color Temperature		36	4Mode ; High/Medium/Standard/Black & White	
	Input Signal Selection		37	RGB,VIDEO1/2/3/4/5, ANT A, ANT B	

AVC SPECIFICATIONS (2 of 2)

Model			AVC50	
General Function	Gamma Correction	38	Only for Service Menu	
	Picture Enhancer	39	With (only RGB)	
	Input Signal Identification	40	Yes	
	Audio Special Mode	41	No	
	Power Save Mode	42	With (RGB In)	LED Normal: Green Power Save: Orange Stand by: Red
		43	With (On/Off) (Video In)	
	Burning Protection	44	With (Raster Shift:3 option, All White Pattern)	
	Language (VIDEO/PC)	45	ENGLISH,FRANCAIS,ESPANOL	
R/C Handset		46 46	RML-CLU-5726TSI CLU-120S (for 32/42HDT55)	ALPS UEI
In/Out Terminal	Input (RGB)	47	1 Input: Mini Dsub-15PX1	
	Composite Video Input VIDEO2_5	48	4 Input: RCA pin 4 (1 Input Front Panel)	
	S-In (S 2 Terminal) Video/S are common selector, priority is S-In .	49	3 Input: Mini Din-4P (1 S-In on Front Panel)	
	Component Signal Input (VIDEO1,VIDEO2)	50	2 Input: RCA pin 6(Y of VIDEO2 is common input for Composite-In)	
	Digital Input(DVI+HDCP)	51	1 Input: DVI-D(24P)X1 (Selected by component Video1,Digital input priority)	
	Audio In L / R L ch:mono	52	6 Input; RCA pin 12 (RGB:1 Input,Video:5 Input)	
	CATV In	53	1 Input (VIDEO2 LINK)	
	Video Control Terminal (BS)	54	No	
	U/V Ant Input	55	ANT-A IN,ANT-B IN ,TO CONV.	
	BS-IF Input	56	No	
	Video Monitor Out Terminal	57	1 Output: RCA Pin x 1	
	Audio Output Terminal	58	1 Output L/R RCA Pin x 2	
	Audio Monitor Out Terminal	59	1 Output L/R RCA Pin x 2	
	IR-OUTPUT	60	2 Terminal	
	Headphone Terminal	61	1 Terminal (only for AVC)	
	PDP Interface Terminal	62	DVI-D(26p)+Mini 8PIN-DIN	
Front Key	Main Power Switch	63	No	
	Power On/off Switch	64	With (link to PDP)	
	IR Receiving Unit	65	With (link to PDP)	
	Power Indicator LED	66	With	
	Menu Control Key	67	With (Channel U/D, Vol U/D, A/V Input Select, Menu Select)	

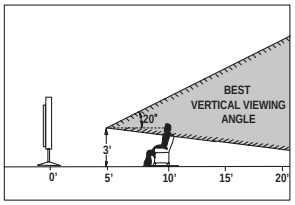
BASIC SETUP & OPERATION

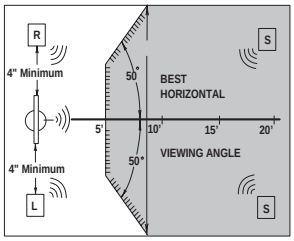
VIEWING

The major benefit of the HITACHI Plasma Television is its large viewing screen. To see this large screen at its best, test various locations in the room to find the optimum spot for viewing. The best picture is seen by sitting directly in front of the TV and about 8 to 18 feet from the screen.

During daylight hours, reflections from outside light may appear on the screen. If so, drapes or screens can be used to reduce the reflection or the TV can be located in a different section of the room.

If the TV's audio output will be connected to a Hi-Fi system's external speakers, the best audio performance will be obtained by placing the speakers equidistant from each side of the receiver cabinet and as close as possible to the height of the picture screen center. For best stereo separation, place the external speakers at least four feet from the side of the TV, place the surround speakers to the side or behind the viewing area. Differences in room sizes and acoustical environments will require some experimentation with speaker placement for best performance.





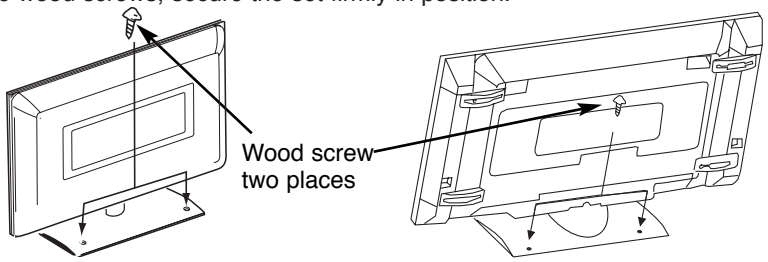
IMPORTANT NOTES

No.	Items	Notes
1	Arching sound from plasma display monitor's panel.	A buzzing sound might be heard when the plasma display monitor is turned on in a very quiet room. This is due to the plasma panel drive circuit when it is functioning. This arching sound is normal and it is not a malfunction.
2	Interference for infrared equipment.	Some infrared rays are emitted from the plasma display monitor's panel that might affect other infrared controlling equipment.
3	Bright and dark spots	High-precision technology is used to manufacture the plasma display panel; But in some cases, there are minor defects in some parts of the screen. Points that do not light, points with brightness different from that of the periphery, points with color different from that of the periphery, etc. Some pixels will always be on or always off. Please note that this is not a malfunction.
4	Picture Image (Spectrum)	When receving still picture signals, (e.g. channel number indication or clock indication) for a while, you can see image-like when the picture varied. This is not a defect.
5	Display panel surface temperature is too high	The plasma display panel is lighting the phosphors by the discharge of internal radiation. In some cases, this may cause the temperature of the panel surface to increase. Please note that this is not a malfunction. The Plasma TV surface temperature is higher than a Cathode-ray-tube.
6	Plasma Surface	The plasma panel is made from glass. Heavy shock on the front panel might damage it.
7	Transportation	When the PDP monitor is transported horizontally, the glass panel has the possibility of being broken or increasing the picture defects. At the time of transportation, horizontal style is prohibited. More-over, please treat the plasma panel with great care because of a precision apparatus. Please instruct transporters so that it should be put into the packing box at the time of shipment.(There is a possibility that breakage of the panel or defects will increase.) Rough transportation might cause damage to the panel and pixel failure.
8	Image retention	The plasma monitor illuminates phosphor to display images. The phosphor has a finite illumination life. After extended periods of illumination, the brightness of the phosphor will be degraded to such extent that stationary images would burn-in that part of the screen as grayed-out images. Tips to prevent such image retention are: - Do not display images having sharp brightness differences or hi-contrast images, such as monochrome characters and graphic patterns, for long. - Do not leave stationary images appearing for long, but try to refresh them at appropriate intervals of time, or try to move them using screen saver function. - Turn down the contrast and brightness controls.
9	Luminosity and contrast	PDP television has luminosity and low contrast compared with CRT television.
10	Granular spots	When a screen is seen at point-blank range, a random fine grain may be visible to a dark part.
11	Disturbance to video apparatus	If an apparatus (VCR, etc.) antenna line is arranged near the monitor, the image may shake, or disturbance may be received.
12	Lip Sync	There is some time lag betweeen the picture and the sound. You can see lip motion that is delayed compared to the sound.
13	About the use environment of PDP television (temperature)	Electric discharge/luminescence characteristic of the PDP panel also changes with peripheral temperature. Moreover, since there is also high power consumption value, a specified temperature environment is required.
14	Caution on prolonged storage	Storing the plasma television for a period of more than 2 to 3 months without use might cause an unstable picture when the set is turned on.
15	Operating	Operating altitude: 800 to 1114hPa (6194ft to -2484ft). Operating temperature: 41˚F to 95˚F.
16	Storage	Storage Altitude: 300 to 1114hPa (31,912 to -2484ft). Storage temperature: 5˚F to 140˚F.
17	Power ON or OFF	Frequent use of the Power ON or OFF might trigger the power protection circuit. If the TV does not turn ON, please wait a little before turning ON again.

To take measures to prevent the Plasma Display from tipping over and prevent possible injury it is important to mount the unit in a stable place.

Securing to a table-top

1. Using wood screws (two) fasten the set to the clamping screw holes on the rear of the Plasma Display stand as shown below.
2. Using commercially available wood screws, secure the set firmly in position.

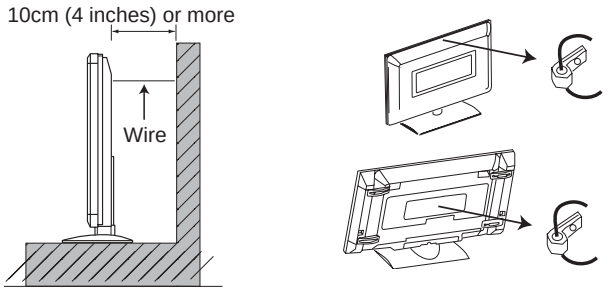


32HDT50M/55M

42HDT50M/55M

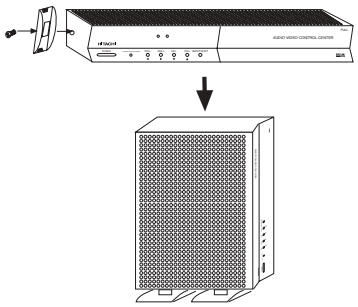
Securing to a wall

1. Keep the Plasma Display monitor four inches away from the wall except those hung to the wall mount bracket.
2. Secure the monitor to the wall as shown below.



AVC Vertical Position (Using AVC Stand)

1. Install AVC Stand with screws provided.
2. AVC ventilation holes should be facing out.

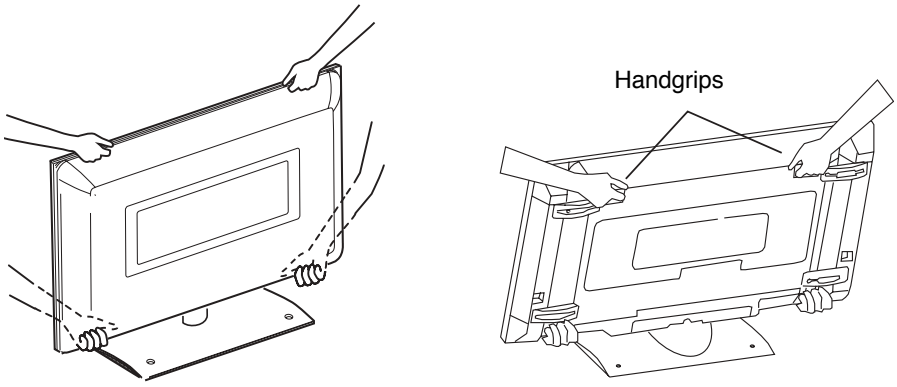


NOTES:

1. Do not block the ventilation holes of the Plasma Display monitor or the AVC center. Blocking the ventillation holes might cause fire or defect.
2. The plasma television has two AC cords, one on the AVC center and the other on the Plasma Display monitor. In case of an abnormal symptom, unplug both AC cords.
3. If you purchased the wall mount bracket option, please ask for professional installer. Do not install by yourself.

Caution when moving the main unit

As this product is heavy, whenever it is moved, two people are required to transport it safely. Whenever the unit is moved it should be lifted forward using the two handgrips at the back, and the unit should then be held at the base on both sides for stability. When moving the Display Monitor, lift the handles and the bottom frame as shown below. Do not grab the speakers or the back cover when lifting.



32”

42”

ANTENNA

Unless your Plasma Television is connected to a cable TV system or to a centralized antenna system, a good outdoor color TV antenna is recommended for best performance. However, if you are located in an exceptionally good signal area that is free from interference and multiple image ghosts, an indoor antenna may be sufficient.

LOCATION

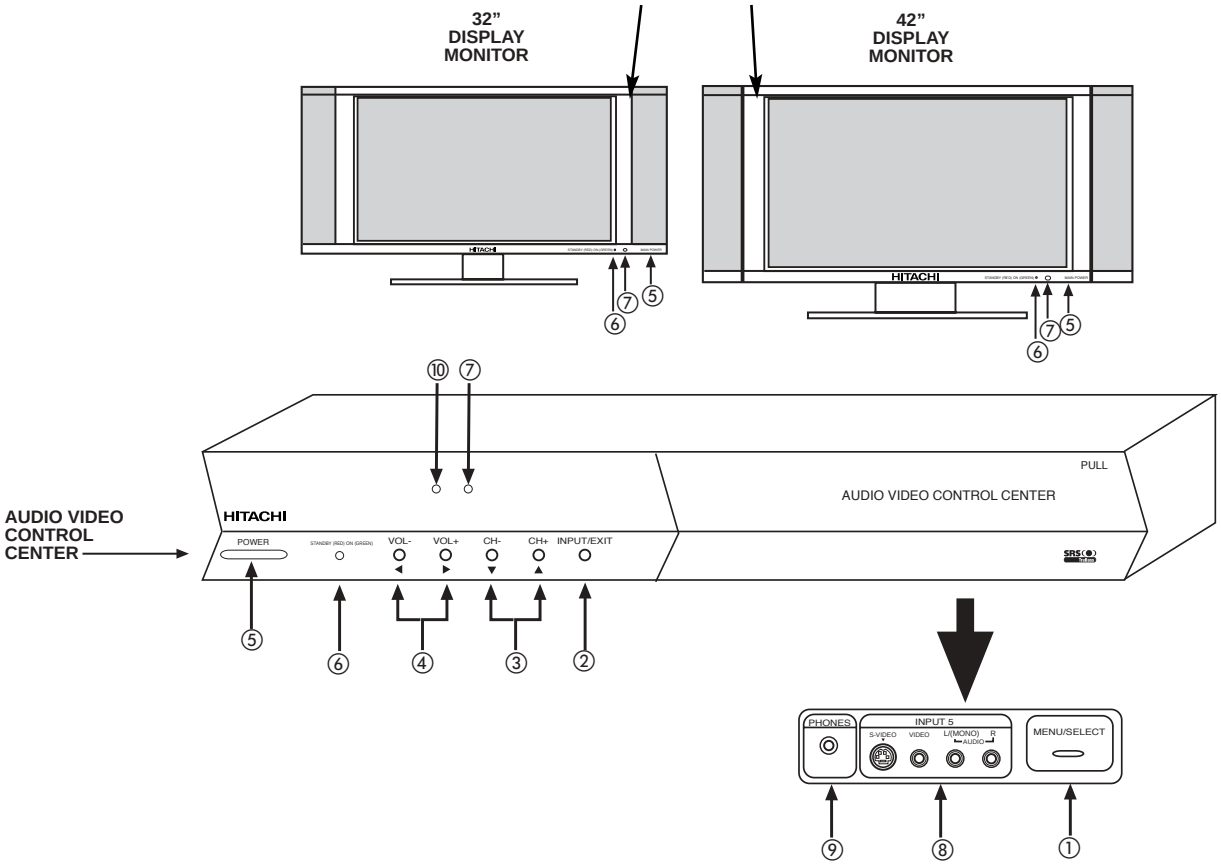
Select an area where sunlight or bright indoor illumination will not fall directly on the picture screen. Also, be sure that the location selected allows a free flow of air to and from the perforated back cover of the set.

To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot, for example, in direct sunlight or near a heating appliance, etc.

FRONT PANEL CONTROLS

FRONT VIEW

32/42HDT50M - Bluish Black
32/42HDT55M - Bright Silver



① MENU/SELECT button

This button allows you to enter the MENU, making it possible to set TV features to your preference without using the remote. This button also serves as the SELECT button when in MENU mode.

② INPUT/EXIT button

Press this button to select the desired input, VIDEO 1 to 5, RGB, or Ant A/B source. Your selection is shown in the top right corner of the screen. This button also serves as the EXIT button when in MENU mode.

NOTES: Your remote control does not have an INPUT button. To change to video inputs, press VID1~VID5 buttons depending on the input you wish to switch to. Press TV/RGB button on the remote control to toggle between TV and RGB (ANALOG INPUT).

③ CHANNEL selector

Press these buttons until the desired channel appears in the top right corner of the TV screen. These buttons also serve as the cursor down (▼) and up (▲) buttons when in MENU mode.

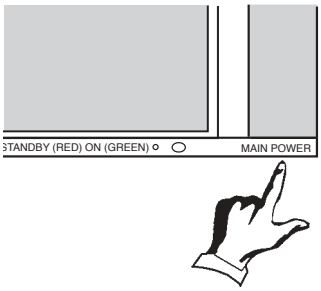
④ VOLUME level

Press these buttons to adjust the sound level. The volume level will be displayed on the TV screen. These buttons also serve as the cursor left (◀) and right (▶) buttons when in MENU mode.

⑤ **POWER button**

Display Monitor "MAIN POWER" button

This power button is for the complete system, and must be turned ON/OFF manually. It is recommended to leave the "MAIN POWER" to ON condition (lights red) for stand-by mode.



AVC POWER button

The AVC power can be turned ON/OFF manually or by remote control. Turning on the AVC Power will only turn on the AVC box if the "MAIN POWER" of the display monitor is off.

⑥ **POWER light indicator**

To turn the monitor ON, press the main power switch located on the lower right side of the monitor. A red stand-by indicator lamp located on the lower right corner of the front bezel will illuminate (lower left for 50"). The PDP is now ready for remote on/off operation.

Indicating Lamp	Power Status	Operating
Off	Off	When the main power switch is set OFF.
Lights Red	Off (Stand-by)	When the main power switch on the display monitor is ON, and the AVC Center is OFF.
Lights Green	On	Display monitor MAIN POWER is ON and AVC Center power is ON.
Lights Orange (Flashing)	Off (Power Saving)	Display monitor MAIN POWER is ON and and AVC Center power is ON, with no signal input except antenna (no sync. signal).

⑦ **REMOTE CONTROL sensor**

Point your remote at this area when selecting channels, adjusting volume, etc.

⑧ **FRONT INPUT JACKS (for VIDEO: 5)**

Use these audio/video jacks for a quick hook-up from a camcorder or VCR to instantly view your favorite show or new recording. press the VID5 button on the remote control button and VIDEO: 5 appears in the top right corner of the TV screen. If you have mono sound, insert the audio cable into the left audio jack.

⑨ **PHONES JACK**

Use this jack for your head-phones. The TV's internal speakers can also be heard. Turn off the internal speakers (see page 46) if you wish to listen to the head-phones only.

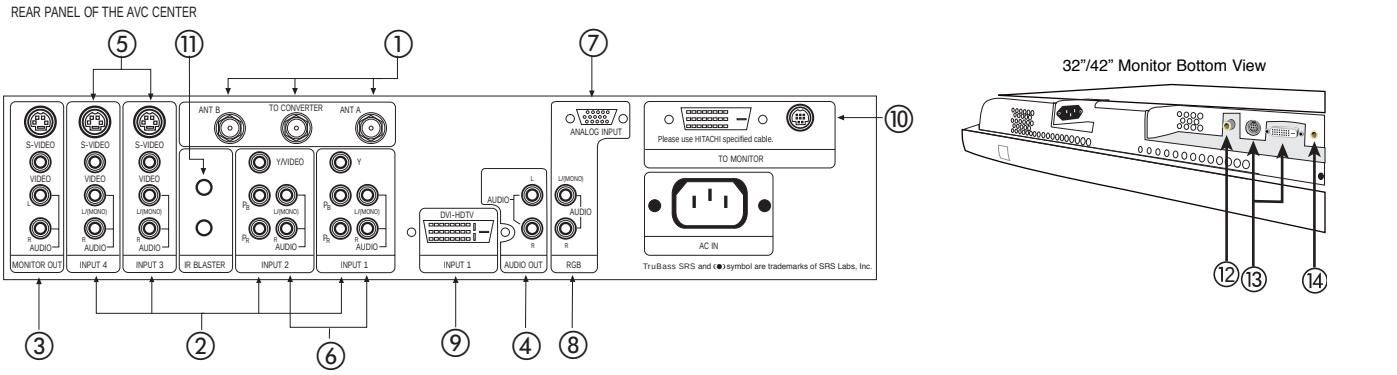
⑩ **LEARNING AV NET Sensor**

Point your equipment's remote control at this area while using the AV NET Learning Wizard.

NOTES: 1. Your HITACHI Plasma TV will appear to be turned OFF (lights orange) if there is no video input when VIDEO: 1, 2, 3, 4, 5, or RGB is selected. Check the Power Light to make sure the Display Monitor is turned off or in Stand-by mode (lights red) when not in use.

2. Remote Control can not turn ON/OFF the "MAIN POWER" of the display monitor.

REAR PANEL JACKS



① **Antenna Input/Output**
The remote control allows you to switch between two separate 75-Ohm RF antenna inputs, ANT A and ANT B. ANT A input can be displayed as a main picture or sub-picture. ANT B can only be displayed as a main picture. (ANT B cannot be displayed as a sub-picture). The antenna output labeled "TO CONVERTER" allows the ANT A connection to pass directly to a different source such as a cable box, only when ANT B is displayed as a main picture.

② **Audio/Video Inputs 1, 2, 3 and 4**
The VID1~VID4 buttons will select each video source each time they are pressed. Use the audio and video inputs to connect external devices, such as VCRs, camcorders, laserdisc players, DVD players etc. (If you have mono sound, insert the audio cable into the left audio jack.)

③ **MONITOR OUT**
These jacks provide fixed audio and video signals (ANT A/B, INPUT 2~5) which are used for recording. Use the S-VIDEO Output for high quality video output. Component signal to Input 1 and 2 will not have monitor output.

④ **AUDIO OUT**
These jacks provide fixed audio output for all audio sources (ANT A/B, INPUT1~5, and RGB) to a separate stereo amplifier.

⑤ **S-VIDEO Inputs 3 and 4**
Inputs 3 and 4 provide S-VIDEO (Super Video) jacks for connecting equipment with S-VIDEO output capability.

NOTES:
1. You may use VIDEO or S-VIDEO inputs to connect to INPUT 3 and 4, but only one of these inputs may be used at a time.
2. S-VIDEO output may be used for recording, only when the input is of S-VIDEO type.

⑥ **Component: Y-P_BP_R Inputs**
Inputs 1 and 2 provide Y-P_BP_R jacks for connecting equipment with this capability, such as a DVD player or Set Top Box. You may use composite video signal for INPUT 2. INPUT 1 does not accept composite video signal.

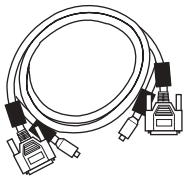
NOTES:
1. DO NOT connect composite VIDEO and S-VIDEO to Input 3, 4 or 5 at the same time. S-Video has a higher priority over video input.
2. Your component outputs may be labeled Y, B-Y, and R-Y. In this case, connect the components B-Y output to the AVC Box's P_B input and the components R-Y output to the AVC Box's P_R input.
3. Your component outputs may be labeled Y-C_BC_R. In this case, connect the component C_B output to the AVC Box's P_B input and the component C_R output to the AVC Box's P_R input.
4. It may be necessary to adjust TINT to obtain optimum picture quality when using the Y-P_BP_R inputs.
5. To ensure no copyright infringement, the MONITOR OUT output will be abnormal, when using the Y-P_BP_R jacks.

⑦ **RGB - Analog Input**
Use this 15-pin D-Sub input for your external devices with RGB output.

⑧ **RGB - Audio Input**
Connect audio for RGB input.

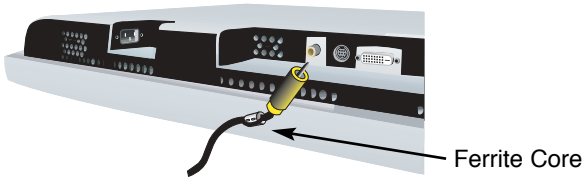
⑨ **DVI - HDTV - Digital Input**
Use this DVI Digital input for your external devices with digital output capability, such as a Set-Top-Box, high band DTV decoders and DVD players with digital content protection. DVI is INPUT 1 and has priority over component input. Signal priority are as follows; DVI, Component, S-Video, then composite. When using a Set-Top-Box, it is recommended to use a 1080i or 720p input signal.

⑩ **To Monitor**
Connect the Monitor Connection Cable to the AVC center's "TO MONITOR" connector, and to the display monitors "FROM AVC" connector.



⑪ **IR Blaster**
This jack provides IR output to your external components (VCR, Cable box, DVD player, etc.). With this connection, your external components can automatically be controlled by the AV network feature. This connection will allow you to control the external components with your Plasma Television's remote control in TV mode.

⑫ **Subwoofer Out**
Connect this SUB WOOFER OUT output to the external audio component input using the sub woofer cable provided.



⑬ **To AVC**
Connect the Monitor Connection cable from the AVC center's "TO MONITOR" to these connectors ("FROM AVC").

⑭ **SUB-POWER button**
This power is for serviceman usage.

PDP MONITOR

Self Diagnostic
This button is also a troubleshooting aid, when a PDP monitor failure occurs, the pressing of the sub-power button, for more than 5 seconds, generates a blinking series of the power indicator light. See page 47 for self-diagnostic function.

CONNECTING AV NETWORK

Your Hitachi Plasma Television is equipped with an AV Network feature. This feature helps to control your external Audio/Video equipment (VCR, Set Top Box, DVD, etc.). Once this is setup, it allows your IR Mouse connector to control your equipment using your Hitachi Plasma TV Remote Control. You can use your Hitachi remote control to control the Audio/Video equipment command without the equipment's remote control.

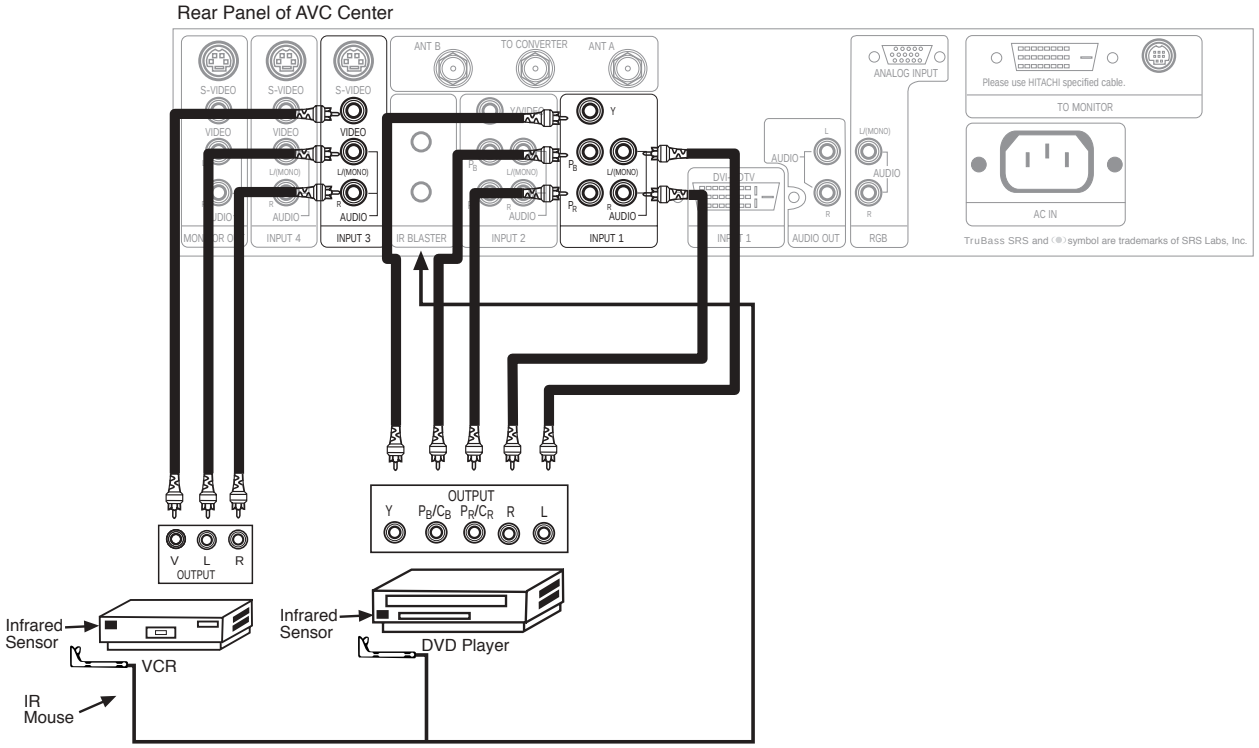
The Plasma Television AVC Center has 2 IR BLASTER jacks. Each IR Mouse cable can connect up to 2 external Audio/Video components. Therefore, you can connect the Plasma Television with up to four components. Please see the following example of an AV Network setup between your Hitachi Plasma Television and external Audio/Video equipment (VCR and DVD Player).

CONNECTING EXTERNAL AUDIO/VIDEO COMPONENTS TO IR BLASTER FOR AV NETWORK

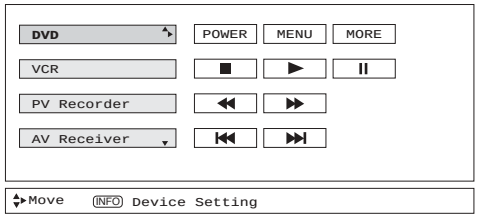
1. Connect your external Audio/Video components to the AVC Center shown in the example below.

2. Connect the IR Mouse cable to the IR BLASTER output of the AVC Center.

3. Place the IR mouse in front of the infrared sensor of the external components you wish to control.



4. Press the AV NET button on the remote control. Use THUMB STICK ▲ or ▼ to highlight the component you wish to set up. Use THUMB STICK ▶ to enter component's "SOFT KEY" control button. The AV Network Setup Wizard will automatically start upon the very first use. You can access the Setup Menu Wizard again in the future by pressing the AV net button and then pressing the INFO button.

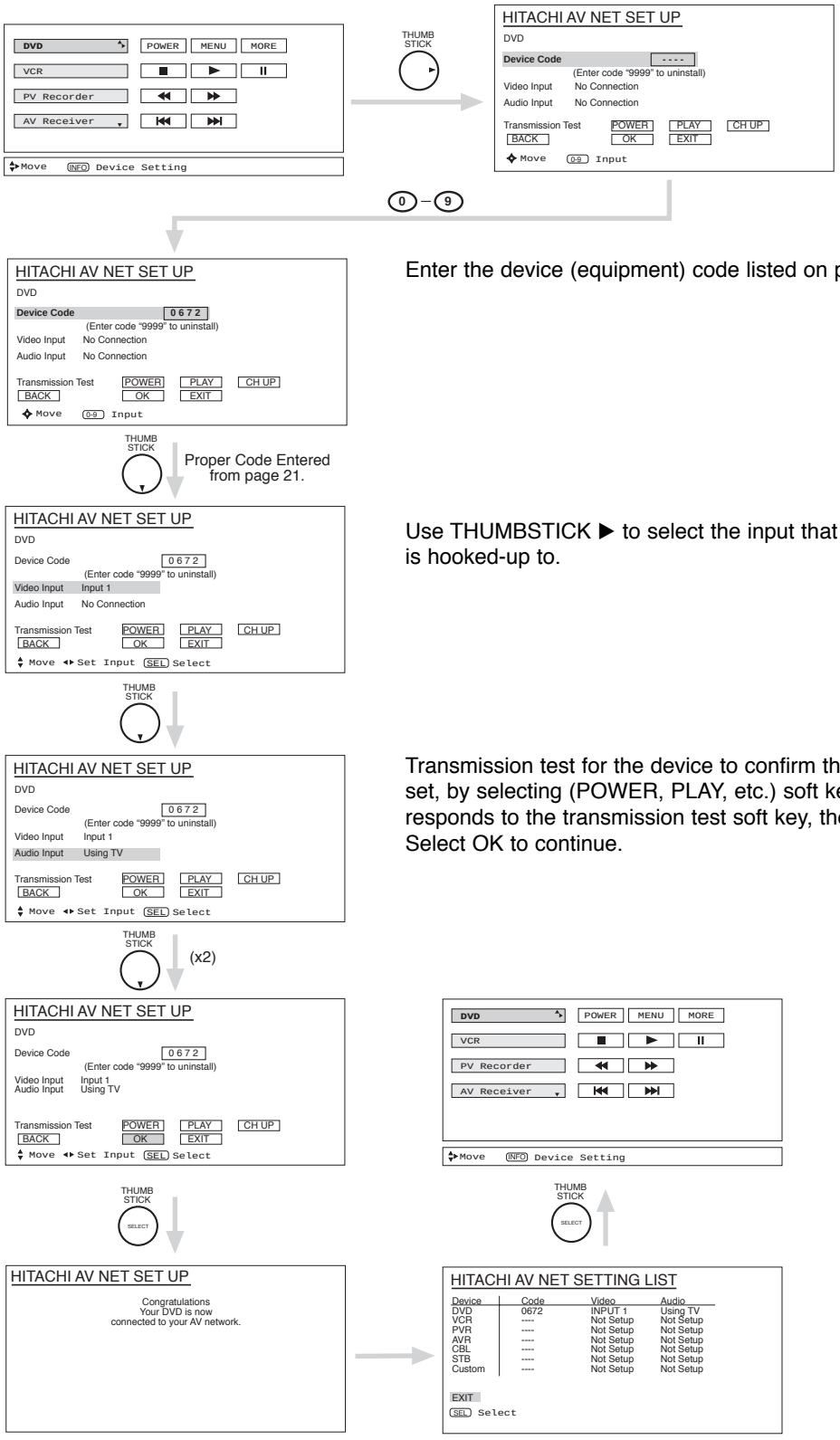


NOTES:
1. The AVC Center has two IR BLASTER outputs which can control up to a total of four external components.
2. The IR Mouse must be placed in front of the external components infrared sensor for the AV Network to work.
3. The correct codes must be entered for each of the Audio/Video components for the AV Network to function properly.
4. Audio/Video component codes for AV network are on page 22.

AV NETWORK SETUP WIZARD

5. Follow the steps below to setup the AV network (See page 22 for AV Network Codes).

There are six steps in the setup procedure (VCR setup example below).



Enter the device (equipment) code listed on page 22.

Use THUMBSTICK ▶ to select the input that the device (equipment) is hooked-up to.

Transmission test for the device to confirm that the proper code was set, by selecting (POWER, PLAY, etc.) soft keys shown. If the device responds to the transmission test soft key, then it is properly set up. Select OK to continue.

6. To uninstall or change device (equipment), press INFO button on the remote control when the device (DVD, VCR, etc.) is highlighted.

AUDIO/VIDEO CODES FOR AV NETWORK

VCR BRAND . . . . . CODE
Admiral 0048, 0209
Adventura 0000
Aiko 0278
Aiwa 0000, 0037
Akai 0041
America Action 0278
American High 0035
Asha 0240
Audiovox 0037, 0278
Beaumark 0240
Bell & Howell 0104
Broksonic 0121, 0184, 0002, 0209, 0479, 1479, 0278
CCE 0072, 0278
Calix 0037
Canon 0035
Carver 0081
Cineral 0278
Citizen 0278, 0037, 1278
Colt 0072
Craig 0037, 0072, 0047, 0240
Curtis Mathes 0035, 0041, 0060, 0162, 0760, 1035
Cybernex 0240
Daewoo 0278, 1278, 0045
Denon 0042
Dynatech 0000
Electrohome 0037
Electrophonic 0037
Emerex 0032
Emerson 0184, 0002, 0209, 0121, 0000, 0037, 0043
Fisher 0104, 0047
Fuji 0033, 0035
Funai 0000
GE 0035, 0060, 0240, 0760, 0807, 1035, 1060
Garrard 0000
Go Video 0432
GoldStar 0037, 0038, 1237
Gradiente 0000
HI-Q 0047
Harley Davidson 0000
Harman/Kardon 0038, 0081
Harwood 0072
Hitachi 0000, 0041, 0042
Hughes Network Systems 0042
JVC 0067, 0041
Jensen 0041
KEC 0037, 0278
KLH 0072
Kenwood 0041, 0067, 0038
Kodak 0035, 0037
LXI 0037
Lloyd's 0000
Logik 0072
MEI 0035
MGA 0043, 0240
MGN Technology 0240
MTC 0000, 0240
Magnasonic 1278
Magnavox 0035, 0081, 0563, 0000, 0039, 0149, 1781
Magnin 0240
Marantz 0081, 0035
Marta 0037
Matsushita 0035, 0162, 0454
Memorex 0047, 0037, 0104, 0209, 0454,0048, 0039, 0240, 0000, 0479, 1037, 1162, 1237, 1262
Minolta 0042
Mitsubishi 0807, 0043, 0067
Motorola 0035, 0048
Multitech 0000, 0072
NEC 0038, 0041, 0067, 0104
Nikko 0037
Noblex 0240
Olympus 0035
Optimus 1062, 0162, 0037, 0048, 0104, 0432, 0454, 1048, 1162, 1262
Orion 0184, 0209, 0002, 0479, 1479
Panasonic 1062, 0035, 01625, 0225, 0454, 0616, 1035, 1162, 1262
Penney 0035, 0037, 0240, 0042, 0038, 1035, 1237
Pentax 0042
Philco 0035, 0209, 0479
Philips 0081, 0035, 0618, 1081, 1181
Pilot 0037
Pioneer 0067
Polk Audio 0081
Profitronic 0240
Proscan 0060, 0760, 1060
Protec 0072
Pulsar 0039
Quasar 0035, 0162, 0454, 1035, 1162
RCA 0060, 0240, 0042, 0149, 0760, 0807, 1035, 1060
Radio Shack 0000, 1037
Radix 0037
Randex 0037
Realistic 0035, 0037, 0048, 0047, 0000, 0104
ReplayTV 0614, 0616
Runco 0039
STS 0042
Samsung 0045, 0240
Sanky 0039, 0048
Sansui 0000, 0067, 0209, 0041, 0479, 1479
Sanyo 0047, 0240, 0104
Scott 0184, 0045, 0121, 0043
Sears 0035, 0037, 0047, 0000, 0042, 0104, 1237
Semp 0045
Sharp 0048, 0807, 0848
Shintom 0072
Shogun 0240
Singer 0072
Sonic Blue 0614, 0616
Sony 0035, 0032, 0000, 0033, 0636, 1032, 1232
Sylvania 0035, 0081, 0000, 0043, 1781
Symphonic 0000
TMK 0240
Tatung 0041
Teac 0000, 0041
Technics 0035, 0162
Teknika 0000, 0035, 0037
Thomas 0000
Tivo 0618, 0636
Toshiba 0045, 0043, 845
Totevision 0037, 0240
Unitech 0240
Vector 0045
Vector Research 0038
Video Concepts 0045
Videomagic 0037
Videosonic 0240
Wards 0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072, 0149, 0760
White Westinghouse 0072, 1278, 0209
XR-1000 . . . . . 0072, 0000, 0035
Yamaha 0038
Zenith 0039, 0000, 0209, 0033, 0479, 1479, 0033, 0034, 0209, 0479

DVD BRAND . . . . . CODE
Aiwa 0641
Apex 0672, 0717, 0755, 0794, 0795, 0796, 0797, 0830
Audiologic 0736
B & K 0655, 0662
Blue Parade 0571
Brooksonic 0695
DVD2000 0521
Daewoo 0784
Denon 0490, 0634
Emerson 0591
Enterprise 0591
Fisher 0670
GE 0522, 0717, 0815
GPX 0699, 0769
Go Video 0715
Gradiente 0651
Greenhill 0717
Harman/Kardon 0582, 0702
Hitachi 0573, 0664
Hiteker 0672
JBL 0702
JVC 0623, 0558, 0867
KLH 0717
Kenwood 0490, 0534, 0682
Konka 0711, 0719, 0721
Koss 0651
Lasonic 0798
Magnavox 0503, 0675
Malata 0782
Marantz 0539
Microsoft 0522
Mintek 0717
Mitsubishi 0521
Nesa 0717
Onkyo 0627, 0503
Oritron 0651
Panasonic 0490, 1362, 0632
Philips 0503, 0539, 0646, 0854
Pioneer 0525, 0571, 0632
Polk Audio 0539
Princeton 0674
Proscan 0522
RCA 0522, 0571, 1022, 0717
Samsung 0573, 0820
Sansui 0695
Sanyo 0670
Sharp 0630
Sherwood 0633
Sony 0533
Sylvania 0675
Technics 0490
Techwood 0692
Theta Digital 0571
Toshiba 0503, 0695
Urban Concepts 0503
Yamaha 0490, 0545, 0539
Zenith 0591, 0503

CABLE BRAND . . . . . CODE
ABC 0003, 0008, 0014, 0017
Americast 0899
Bell & Howel 0014
Bell South 0899
Director 0476
General Instrument 0003, 0476, 0276, 0810
GoldStar 0144
Hamlin 0009, 0273
Jerrold 0476, 0003, 0276, 0012, 0014, 0810
Memorex 0000
Motorola 0476, 1106, 0276, 0810
Pace 0237
Panasonic 0107, 0000
Philips 0305, 0317
Pioneer 0144, 0533, 0877, 1877
Pulsar 0000
Quasar 0000
Regal 0273, 0279
Runco 0000
Samsung 0144
Scientific Atlanta 0877, 0008, 0017, 0477, 1877
Sony 1006
Starcom 0003
Supercable 0276
Tocom 0012
Torx 0003
Toshiba 0000
Zenith 0000, 0525, 0899

SATELLITE BRAND (Set-Top-Box) . . . . . CODE
AlphaStar 0772
Chapparral 0215
Crossdigital 1109
DishPro 1005, 0775
Echostar 1005, 0775
Expressvu 0775
GE 0566
GOI 0775
General Instrument 0869
HTS 0775
Hitachi 0819
Hughes Network Systems 1142, 0749, 1749
JVC 0775
Magnavox 0724, 0722
Memorex 0724
Mitsubishi 0749
Motorola 0869
Next Level 0869
Panasonic 0247, 0701
Paysat 0724
Philips 1142, 0749, 0724, 1076, 0722, 1749
Proscan 0392
RCA 0392, 0566, 0855, 0143
Radioshack 0869
SKY 0856
Samsung 1109
Sony 0639
Star Choice 0869
Toshiba 0749, 0790, 1749
Uniden 0724, 0722
Zenith 0856, 1856

AMPLIFIER BRAND . . . . . CODE
Aiwa 0406
Bose 0674
Carver 0269
Curtis Mathes 0300
Denon 0160
GE 0078
Harman/Kardon 0892
JVC 0331
Left Coast 0892
Linn 0269
Luxman 0165
Magnavox 0269
Marantz 0269, 0321, 0892
NEC 0264
Nakamichi 0321
Optimus 0395, 0300
Panasonic 0308, 0521
Parasound 0246
Philips 0269, 0892
Pioneer 0013, 0300
Polk Audio 0269, 0892
RCA 0300
Realistic 0395
Sansui 0321
Shure 0264
Sony 0689, 0220
Soundesign 0078, 0211
Technics 0308, 0521
Victor 0331
Wards 0013, 0078, 0211
Yamaha 0354, 0133

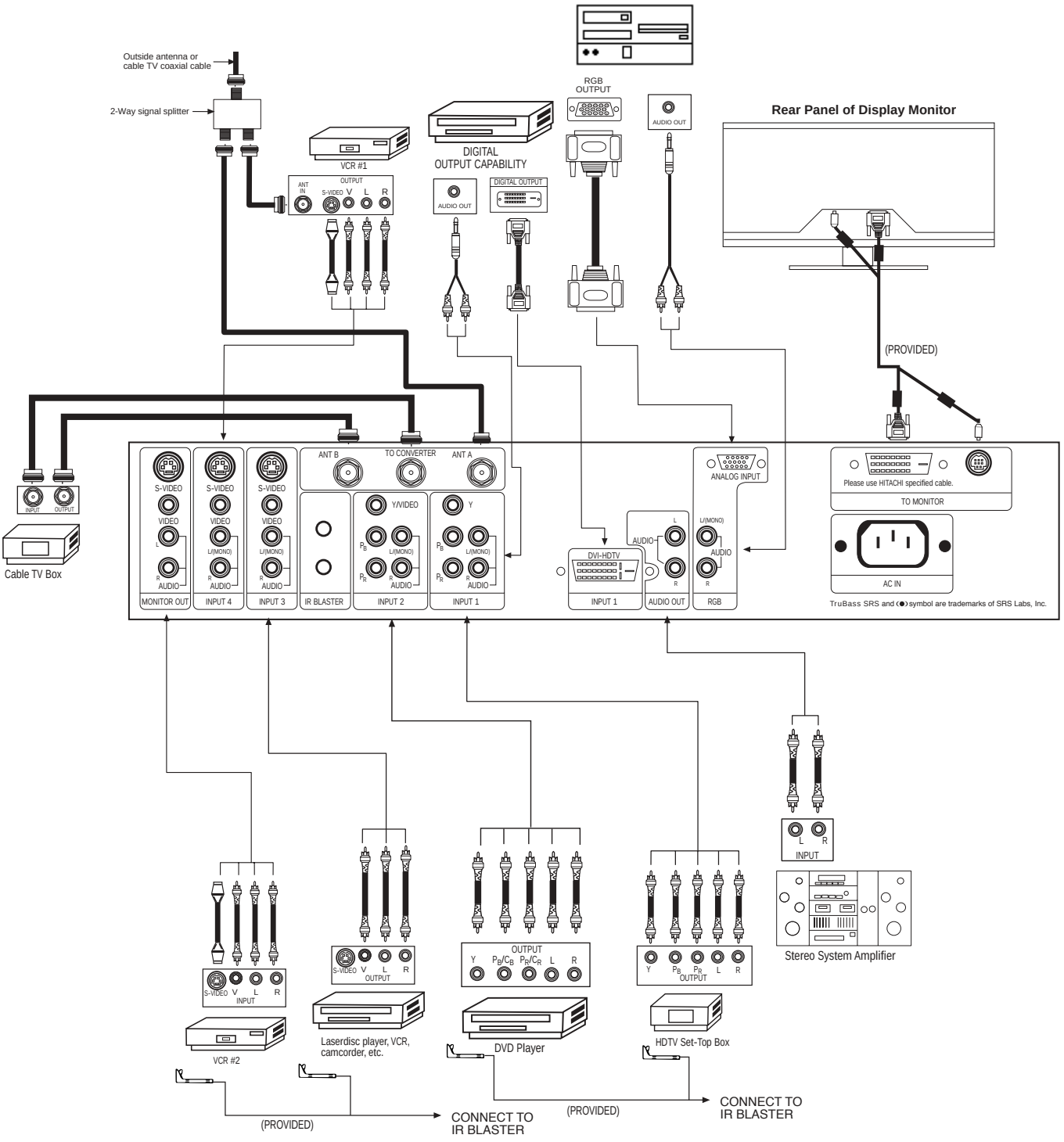
RECEIVER BRAND (Amplifier) . . . . . CODE
ADC 0531
Adcom 0616
Aiwa 1089, 1405, 0121, 0158, 0189, 0405, 1321, 1388
Akai 0076, 0224
Alco 1390
Anam 1074, 1609
Apex Digital 1257
Arcam 1120
Audiotronic 1189
Audiovox 1390
Bose 1229
Capetronic 0531
Carver 1089, 1189, 0008, 0042, 0189, 0360
Casio 0195
Celestion 1264
Clarinette 0195
Compaq 1136
Curtis Mathes 0080
Denon 1104, 0004, 0273, 0771, 1311, 1360
Emerson 0424
Fisher 0042, 0219, 0360
GPX 1299
Garrard 0424, 0463
Glory Horse 1263
Harman/Kardon 0891, 0110, 0189
Hewlett Packard 1181
Inkel 0062
JBL 0110, 1306
JVC 0074, 1263, 1374
Kenwood 1313, 1027, 1570, 1569, 0027, 0042, 0077, 0186, 0313, 0314, 0569, 1051, 1052
Koss 0424, 1366
LXI 0181
Lexicon 1076
Linn 0189
Lloyd's 0195
MCS 0039, 0346
Magnavox 1089, 1189, 0128, 0189, 0195, 0391, 0531
Marantz 1089, 1189, 0039, 0128, 0189
Modulaire 0195
Musicmagic 1089
NAD 0320
NEC 0235
Nakamichi 0097, 0347
Onkyo 0100, 0135, 0380, 0842, 1298
Optimus 1023, 0042, 0080, 0177, 0181, 0186, 0219, 0531, 0670, 0738, 0801, 1074
Panasonic 1518, 0039, 0309, 0367, 0518, 1288, 1350
Penney 0195
Philips 1089, 1189, 1269, 0189, 0391, 1120, 1268, 1283
Pioneer 1023, 0014, 0080, 0150, 0244, 0531, 0630, 1343, 1384
Polk Audio 0189
Proscan 1254
Quasar 0039
RCA 1023, 1254, 0054, 0080, 0346, 0360, 0530, 0531, 1074, 1154, 1390, 1609
Radio Shack 1263
Realistic 0163, 0181, 0195
Samsung 1295
Sansui 0189, 1089, 0193, 0346
Sanyo 0219, 0801, 1251
Scott 0163, 0322
Sharp 0186
Sherwood 0062, 0491, 0502, 1653
Sony 1058, 1258, 1158, 0158, 0168, 0474, 1042, 1458, 1758
Soundesign 0670
Stereophonics 1023
Sunfire 1313, 0313, 0314, 1052
Teac 0463, 0163, 1074
Technics 1308, 1309, 1518, 0039, 0208, 0309, 0518
Thorens 1189
Victor 0074
Wards 0014, 0054, 0080, 0158, 0189
Yamaha 0176, 0186, 1176
Yorx 0195
Zenith 0857

AUDIO BRAND . . . . . CODE
Aiwa 0010, 0159
AudioSource 0351
Cambridge Soundworks 0351
Carver 0351
Fisher 0052
Fosgate 0259
Harmon/Kardon 0477
JBL 0477
JVC 0073
KLH 0351
Magnavox 0325
Nikko 0376
Paramount Pictures 0317, 0351
RCA 0056
SSI 0317
Sansui 0325
Schneider 0376
Sony 0010, 0576
Soundesign 0376
Yorx 0376

SET TOP BOX BRAND . . . . . CODE
Panasonic 1120
Pioneer 1010
Princeton 0113, 0295
Samsung 1190
Sensory Science 1126
Sharp 1010
Sony 0639

PERSONAL VIDEO RECORDER BRAND . . . . . CODE
Panasonic 0616
Philips 0618
ReplayTV 0614, 0616
SonicBlue 0614, 0616
Sony 0636
Tivo 0618, 0636

REAR PANEL CONNECTIONS



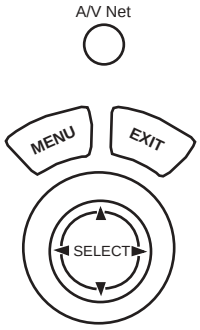
NOTE: Cables are optional, except when specified.

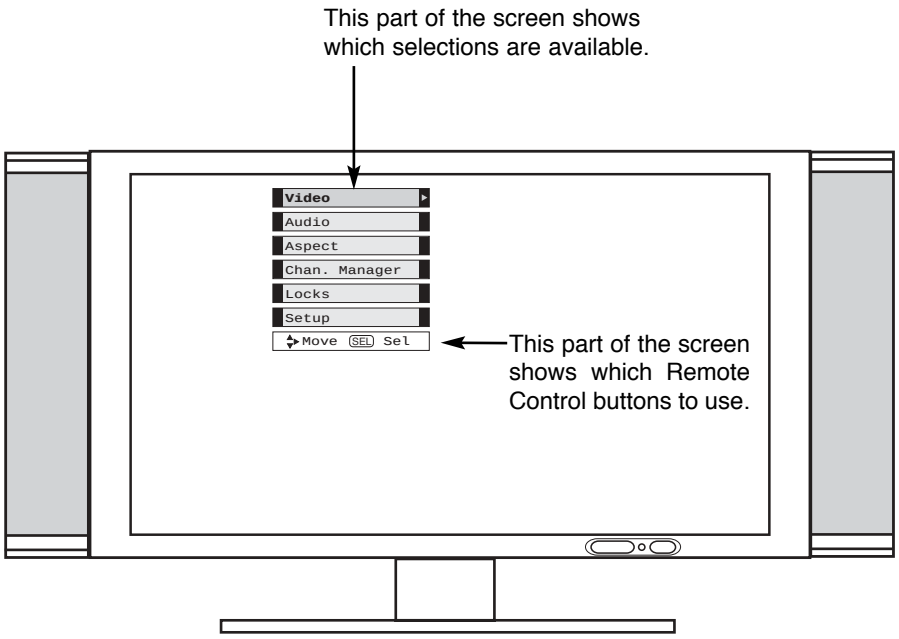
TIPS ON REAR PANEL CONNECTIONS

- S-VIDEO connections are provided for high performance laserdisc players, VCRs etc. that have this feature. Use these connections in place of the standard video connection if your device has this feature.
- If your device has only one audio output (mono sound), connect it to the left audio jack on the AVC Center.
- Refer to the operating guide of your other electronic equipment for additional information on connecting your hook-up cables.
- A single VCR can be used for VCR #1 and VCR #2, but note that a VCR cannot record its own video or line output (INPUT: 4 in the example on page 23). Refer to your VCR operating guide for more information on line input-output connections.
- Connect only 1 component (VCR, DVD player, camcorder, etc.) to each input jack.
- COMPONENT: Y-P_BP_R (Input 1 & 2) connections are provided for high performance components, such as DVD players and set-top-boxes. Use these connections in place of the standard video connection if your device has this feature.
- Your component outputs may be labeled Y, B-Y, and R-Y. In this case, connect the components B-Y output to the TV's P_B input and the components R-Y output to the TV's P_R input.
- Your component outputs may be labeled Y-C_BC_R. In this case, connect the components C_B output to the TV's P_B input and the components C_R output to the TV's P_R input.
- It may be necessary to adjust TINT to obtain optimum picture quality when using the Y-P_BP_R inputs.
- To ensure no copyright infringement, the MONITOR OUT output will be abnormal, when using the $^{Y\text{-}}P_BP_R$ jacks.
- Input 1 can accept component $^{Y\text{-}}P_BP_R$ signal only.
- Input 2 can accept both component Y-P_BP_R and composite video signal.
- You may use VIDEO or S-VIDEO inputs to connect to INPUT 3, 4 or 5, but only one of these, VIDEO or S-VIDEO, may be used at a time for each input. S-VIDEO has priority over VIDEO.
- S-VIDEO output may be used for recording only when the input is of S-VIDEO type.
- When using a DVI input from a Set-Top-Box, it is recommended to use a 1080i or 720p input signal.

TV MODE ON-SCREEN DISPLAY

1. Press MENU on the remote control to display the different features on your HITACHI Plasma TV.
2. Use the THUMB STICK to navigate to a different menu item.
3. Press EXIT on the remote control to quickly exit from a menu.
4. Press AV NET on the remote control to access the AV Network menu to control external components.





TV MODE ON-SCREEN DISPLAY

Video

Picture Mode	Select between the two picture modes; Day and Night.
Contrast	Adjust contrast.
Brightness	Adjust brightness.
Color	Adjust color.
Tint	Adjust tint.
Sharpness	Adjust sharpness.
Color Temperature	Set this to High for less intense color with more blue, set to Medium for natural color, set to Standard for standard colors or Black and White for more reddish color.
Black Enhancement	Adjust shadow detail in dark screens.
Contrast Mode	Choose Automatic Contrast settings.
Reset Video Settings	Choose the Reset Video settings.
Color Management	Adjust and balance individual colors to make either deeper or more pure according to preference.
Color Decoding	Adjust the percentage of Red, Green and Color according to preference.
Auto Color	The AUTO COLOR function automatically monitors and adjusts the color to maintain constant color levels even after a program or channel changes. It also maintains natural flesh tones while preserving fidelity of background colors.
Noise Reduction	Reduces conspicuous noise in the picture.
Auto Movie Mode	Turn ON/OFF the 3:2 Pulldown detection feature.

Audio

Treble	Adjust the treble.
Bass	Adjust the bass.
Balance	Adjust the balance.
SRS TruBass	Select TruBass and Matrix surround settings.
Matrix Surround	Improve sound performance.
Audio Source	Select between three Audio Sources.
Internal Speakers	Select internal or external speakers.
Auto Noise Cancel	Eliminates the noise between stations.
Perfect Volume	Adjust volume in fixed setting.

Aspect

Mode	Choose the picture format aspect ratio.

Chan. Manager

Ant A	View/edit Channel ID, Scan, and Lock settings in antenna A.
Ant B	View/edit Channel ID, Scan, and Lock settings in antenna B.

Locks

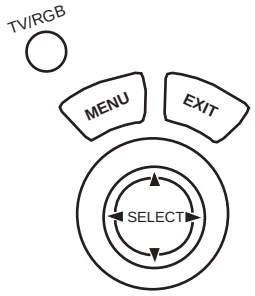
Change Access Code	Change Lock access code.
Engage Lock	Choose to lock channel, video input, and front panel.
TV Time Lock	Set specific time to Lock TV.
Movie Ratings	Block various types of movies and video types based on motion picture ratings.
TV Ratings	Block various types of movies and television programming based on a parental guide ratings.
Canadian Ratings (ENG)	Block various types of movies and television programming based on the Canadian ratings system.
Canadian Ratings (FRN)	Block various types of movies and television programming based on the Canadian French ratings system.

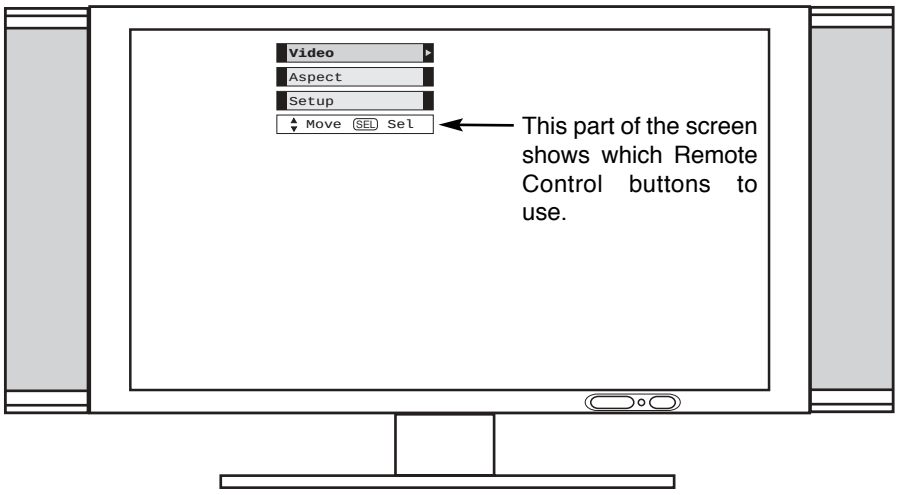
Setup

Menu Preference	Choose English, French, or Spanish text.
Screen Saver	Set Screen Saver to prevent screen burn.
Set The Clock	Set the TV clock. It must be set before using the Lock feature.
Set The Inputs	Label Video Inputs , VCR, DVD, etc.
Set The Color System	Set tint and color coordinates for DTV programs.
Set Black Side Panel	Set the gray side bars on/off when watching 4:3 signals in standard mode.
Set Event Timer	Turn TV on and off once, daily, or weekly.
Set Closed Captions	Feature to display dialogue/text.

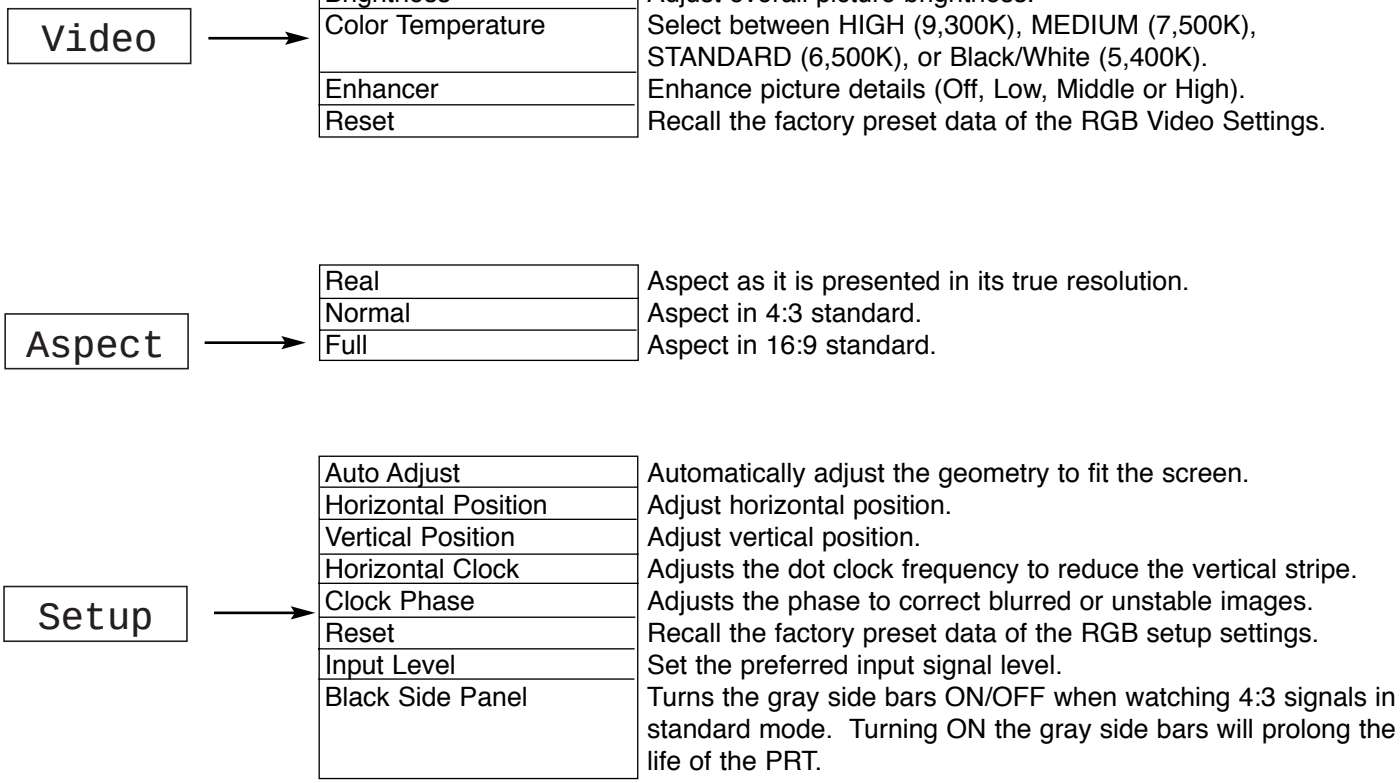
RGB MODE ON-SCREEN DISPLAY

1. Press TV/RGB button on the remote control to switch between TV and RGB modes.
2. Press MENU on the remote control to display the different features in RGB MODE.
3. Press the THUMB STICK ▲, ▼, ◄, ► buttons to highlight a different feature.
4. Press EXIT on the remote control to quickly exit from a menu.





RGB MODE ON-SCREEN DISPLAY


Video
Contrast
Change the contrast between black and white levels in the picture.
Brightness
Adjust overall picture brightness.
Color Temperature
Select between HIGH (9,300K), MEDIUM (7,500K), STANDARD (6,500K), or Black/White (5,400K).
Enhancer
Enhance picture details (Off, Low, Middle or High).
Reset
Recall the factory preset data of the RGB Video Settings.
Aspect
Real
Aspect as it is presented in its true resolution.
Normal
Aspect in 4:3 standard.
Full
Aspect in 16:9 standard.
Setup
Auto Adjust
Automatically adjust the geometry to fit the screen.
Horizontal Position
Adjust horizontal position.
Vertical Position
Adjust vertical position.
Horizontal Clock
Adjusts the dot clock frequency to reduce the vertical stripe.
Clock Phase
Adjusts the phase to correct blurred or unstable images.
Reset
Recall the factory preset data of the RGB setup settings.
Input Level
Set the preferred input signal level.
Black Side Panel
Turns the gray side bars ON/OFF when watching 4:3 signals in standard mode. Turning ON the gray side bars will prolong the life of the PRT.

ADJUSTMENTS TABLE OF CONTENTS

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1 ADJUSTMENT PROCEDURE START-UP

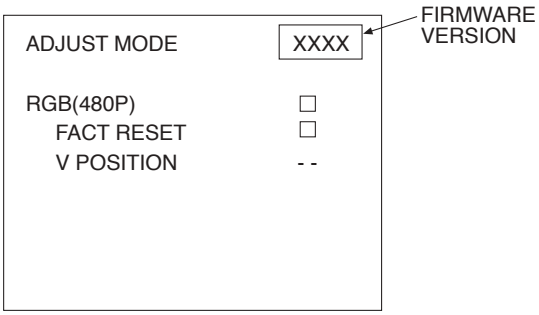
The 32HDT50M/55M and 42HDT50M/55M PDP TV sets undergo thorough adjustment procedures during their assembly process. These adjustments must be done to assure the best performance of the PDP set for the consumer.

Also, after servicing, these same adjustments must be done. The adjustments are all made through the I²C bus by changing data in the Adjustment mode menu.

Table 2 on pages 38-46 shows the complete parameter list with a brief description, signal format, the adjustment range and the initial data.

1.1 HOW TO GET TO ADJUSTMENT MODE

Chassis adjustment can be done by using the AVC50 front control panel buttons with PDP set turned off. Press “POWER” and “INPUT” keys at the same time, and hold for more than 3 seconds. Release the “POWER” button first and then immediately the “INPUT” button. The PDP set turns on in adjustment mode with OSD as follows.

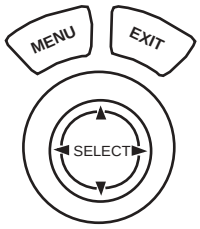


To escape from Adjustment Mode press “INPUT” key to exit service adjustment mode.
Table 2 can be found on pages 38-46.

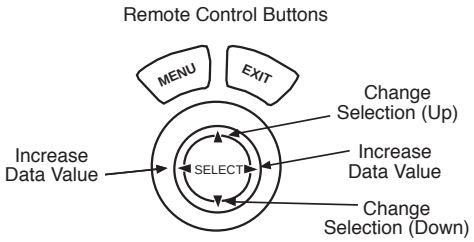
1.2 CHANGING DATA AND SELECTING ADJUSTMENT CODE

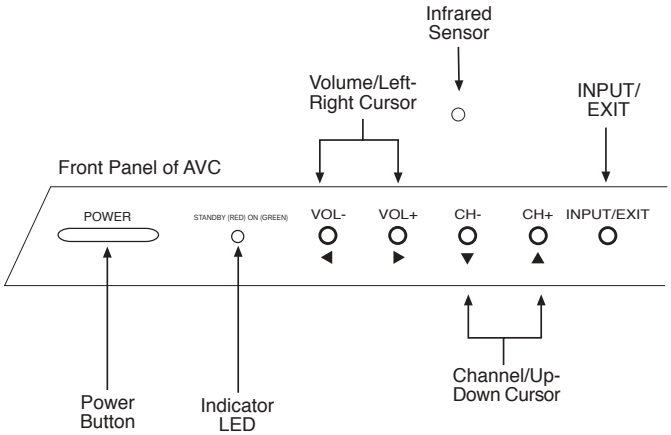
When the PDP set is in adjustment mode, the cursor ◄, ►, ▲, ▼ and MENU keys of the remote control or front panel may be used as the adjustment keys.

A. Use any Hitachi remote control when making an adjustment.



▲, ▼ keys are used for selecting adjustment code.
◄, ► keys are used for changing data values.
MENU key is used to advance through the adjustment mode menus and pages.





B. To make a selection, use the CURSOR keys on the AVC front control panel or the Remote Control.
C. After finishing the necessary adjustment press the R/C EXIT key or EXIT key on the front panel.
Adjustment mode is released and PDP set returns to normal condition.

2 MEMORY INITIALIZE

2.1 MEMORY INITIALIZE OPERATION

NOTE: The execution of this function returns the adjustment codes to the preset values, therefore, **adjustment data will be lost**.

There are two procedures for memory initialize, this is the first.

Procedure 1

(1) Enter Adjustment mode by the method described in sub-items 1.1 and 1.2 from item 1 (“Adjustment procedure start up”).
(2) Get to the second page of Adjust Mode by pressing remote control “Menu” key once, or with either the R/C or front panel ▲, ▼ cursor keys several times.
(3) Select MEMORY INIT adjust code.
(4) Activate MEMORY INIT by pressing ► cursor key for more than 3 seconds.
(5) Check that the receiving channel goes to CH03. Unit is set to preset values.

BACK TO ADJUSTMENTS

Procedure 2

(1) Short PRST connector on the AVC AV PWB and check that the set return to delivery settings (CH 03).
(2) Do not unplug from AC outlet until this operation is completed and do not perform any key operation either. After this operation, each factory setting and adjust mode data should reset to delivery setting automatically.

2.2 FACTORY AND SERVICE ADJUSTMENTS

The adjustment item that is affected by the memory initialize operation is shown below:

	Initialization		Adjustment		
Adj. Items	Memory Init.	W/B Init.(No need to use)	change of FC-unit	change of PDP-module or change of I002(EEPROM) on SIG/AUDIO PWB	change of I003(EEPROM) on AV PWB or Memory Init.
Video white blance Adj.		affect		Adj.	
PC white blance Adj.		affect		Adj.	
Video RGB Amplitude Adj.			Adj.		
PCRGB Amplitude Adj.			Adj.		
Sub-contrast Adj.	affect (M-CONT4; S-CONT4)				Adj.

3 AMPLITUDE ADJUSTMENT (AVC CENTER)

3.1 RGB AMPLITUDE ADJUSTMENT

Preparation

(1) Select "Video" - "Picture Mode" - "Day" - "Reset". Set "Reset" of "Video" menu when PC input is selected.
(2) Input 525p(480p) of RGB amplitude adj. signal into INPUT1(Component) input.
(3) Input VGA(60Hz) RGB amplitude adj. signal into RGB input.

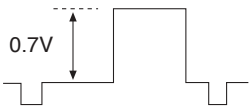
Note: Perform pre heat-run for more than 30 min. before adjusting.

Adjustment

(1) Receive 525p(480p) signal (Aspect 16:9 Standard).
(2) Select 'RGB(480p)' of Service Adj. menu. Press right cursor key (▶) over 2 seconds and have it perform automatic adjustment. When it's completed, 'Auto Adjusting' on the screen will disappear.
(3) Receive PC signal (VGA(60Hz)), (Aspect Full).
(4) Similarly as (2), select 'RGB(PC)' of Service Adj. Menu, by pressing SEL button. Press ▶ for 2 sec. to do automatic adjustment.

-Remarks
RGB amplitude adj. signal

Black White



Recommended Equipment:
ASTRO VG-823 Digital Video Generator with RB-649 Remote Box.

3.2 SUB-CONTRAST ADJUSTMENT

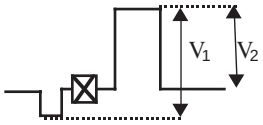
Preparation

(1) Receive Sub-contrast adjustment signal (Fig. 1).

Adjustment

(1) Select 'SUB CONTRAST' of Service Adj. Menu. Press ▶ for over 2 seconds and have it perform automatic adjustment. When it's completed, 'Auto Adjusting' on the screen will be disappeared.

Fig. 1
Full White



(RF Input ANT A))
V_1=1.0 Vp-p (when V_2=100IRE)

3.3 BRIGHTNESS CHECK

Preparation

(1) Start checking 20 minutes or more after the power is turned ON.
(2) Receive the color bar signal.
(3) The vertical incident illumination on the screen should be 20 lux or less.
(4) Picture Format is 16:9 standard mode.
(5) Select Day mode and reset.

Checking Procedure

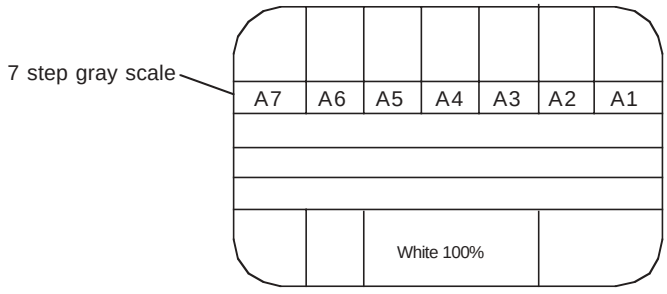
(1) Check the brightness as below.

	AVC50
Can be seen at black	A3*
Can be seen slightly from black	A5*

Note: If set black level is NG, readjust item 3.1 RGB amp. adj. and 3.2 Sub Contrast adj.

Measuring Conditions

(1) At the signal electric field strength $75\pm^{10}_{0}$dBu, the specification mentioned above should be satisfied.
(2) At the input electric field 46-106dBu, there should be no abnormality.
* From color bar pattern below.



Color Bar Signal

A4 has tolerance.
A4 can be between black and Slightly from black.

BACK TO ADJUSTMENTS

4. Vs, Va voltage adjustment

Adjustment part::VR51

-Preparation

1.Turn on the set and perform pre-heat run more than 1min.with snow noize screen.

2.Receive full black pattern (blanking level) signal (or Video No signal; in this case, it will be autmatically turned off after a few seconds because of power save function).

3.Connect voltmeter leads to the Vs or Va and GND test points on power unit.
(Measurement error of voltmeter should be Less than 0.02V)

-Adjustment

(1)Turn VsADJ(VR51) to adjust Vs voltage to be within ±0.1V of the value specified in the label on the panel. *1

(2)Turn VaADJ(VR51) to adjust Vs voltage to be within ±0.2V of the value specified in the label on the panel. *1

(3)Reconfirm that Vs voltage remains within±0.1V of the value.Readjust if Itís outside the margin.

Label example*2

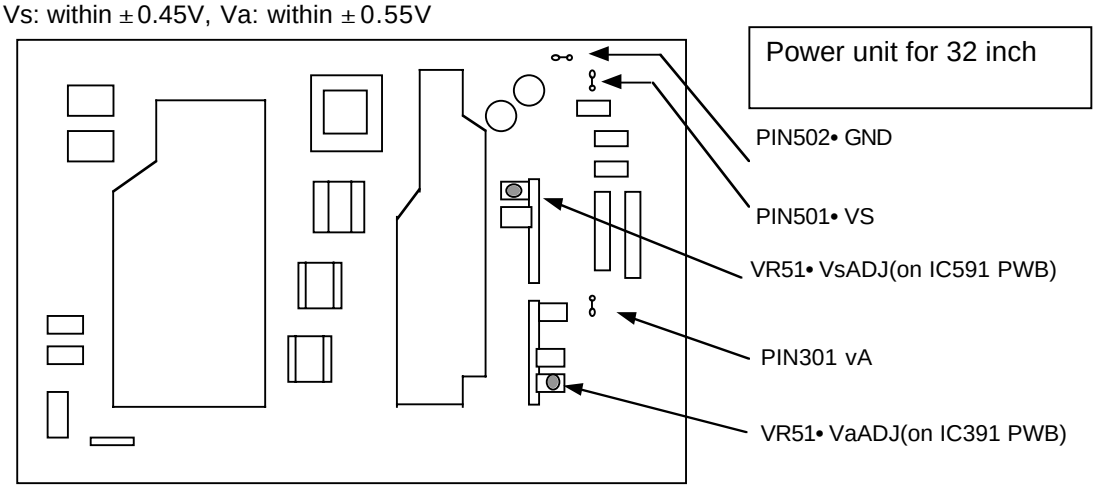
<LOT>N6
Vs=80.0V Va=60.0V
V•=140.0V Vx=60.0V

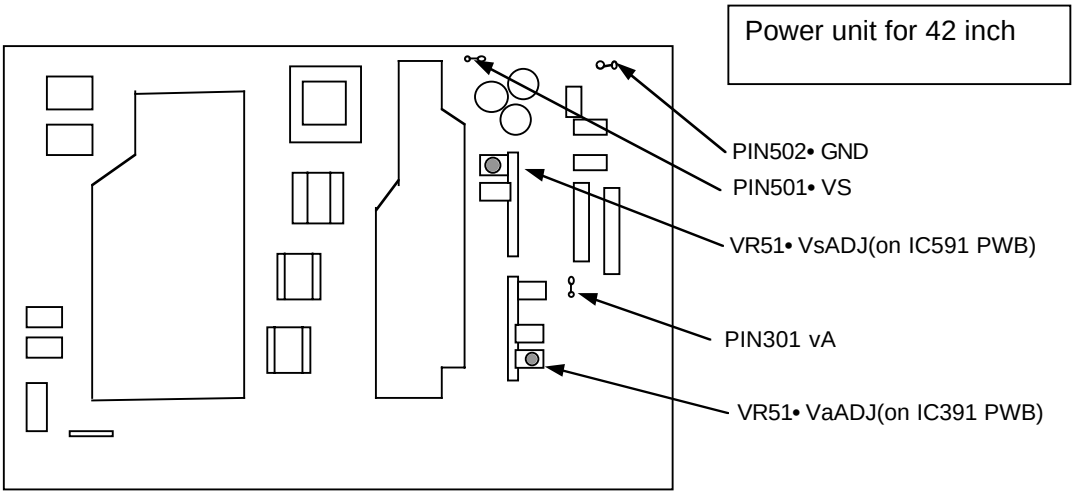
Label position (Reference)

32 inch screen: Upper left.
42 inch screen: Bottom left corner.

-Remarks

*1. Permissive level of voltage in case sufficient time of heat-run performed.
Vs: within ±0.45V, Va: within ±0.55V





BACK TO ADJUSTMENTS

5 WHITE BALANCE ADJUSTMENTS (PDP MONITOR)

General Notes for White Balance

(1) If the incident illumination is more than 20 lux, change the environment (location, lighting, etc.) and ensure it to be less than 20 lux.
(2) At least one of the color drive codes must stay at its maximum value, FF_H.
(3) WBC code must be 00 during W/B adjustment.

5.1 VIDEO COLOR TEMPERATURE ADJUSTMENT (HIGH)

Preparation 1

(1) Set the output of signal generator to white raster. (Ratio:100%)
(2) Component signal
Video level: 0.714Vp-p
SYNC: 0.286Vp-p
Set-up level: 0V
(3) Input white raster signal into COMPONENT input terminal of AVC.
(4) Set user control to Day mode. (Picture Mode)
(5) Confirm that the mode is set as "Factory Setting Mode".
(6) Aspect: ① Video: Expanded
② PC: FULL

Preparation 2

(1) Set service adjustment menu to "DEVICE ADJUST MODE".
(2) Set WBC to "0".)

Adjustment

(1) Perform the following adjustment with the remote control.
(2) Set the CRT color analyzer (CA-100) at the center of the panel.
(3) Set color temperature to "HIGH".
(4) Ensure that Adjustment R/G/B DRIVE (HIGH) are all set as FF.
(5) After receiving White raster signal, step down the two (or one) among Adjustment R/G/B DRIVE (HIGH) and adjust the value shown in the following:

Specification
Video Color temperature (HIGH)
x = 0.285 ± 0.005
y = 0.298 ± 0.005
(Color temp: 9200K)

At least one of the data should be FF.

Remarks

(1) Color temperature should be adjusted under the condition in which the screen is the brightest, thus the initial value for adjustment is set to its maximum.
(2) Adjustment is made by reducing brightness only. Reduce a bright color for adjustment.
(3) Video color temperature & Adjustment No. are the same, but addresses in the memory are different, thus there's no problem.

5.2 VIDEO COLOR TEMPERATURE ADJUSTMENT (MEDIUM)

Preparation

(1) Same as "Video Color Temperature adjustment: (HIGH)".

Adjustment

(1) Perform the following adjustment with the remote control.
(2) Set the CRT color analyzer (CA-100) at the center of the panel.
(3) Set color temperature to "MEDIUM", using SEL key.
(4) Ensure that Adjustment R/G/B DRIVE (MEDIUM) are all set as FF.
(5) After receiving White raster signal, step down the two (or one) among Adjustment R/B/G DRIVE (MEDIUM) and adjust the value shown below.

Specification
Video Color temperature (MED)
x = 0.301 ± 0.005
y = 0.314 ± 0.005
(Color temp: 7500K)

At least one of the data should be FF.

Remarks

(1) Same as "Video Color Temperature adjustment (HIGH)"

BACK TO ADJUSTMENTS

5.3 VIDEO COLOR TEMPERATURE ADJUSTMENT (STD)

Preparation

(1) Same as “Video Color Temperature adjustment: (HIGH)”.

Adjustment

(1) Perform the following adjustment with the remote control.
(2) Set the CRT color analyzer (CA-100) at the center of the panel.
(3) Set color temperature to “STD”.
(4) Ensure that Adjustment R/G/B DRIVE (STD) are all set as FF.
(5) After receiving White raster signal, step down the two (or one) among Adjustment R/B/G DRIVE (STD) and adjust the value shown below.

Specification
Video Color temperature (STD)
x = 0.314 ± 0.005
y = 0.327 ± 0.005
(Color temp: 6500K)

At least one of the data should be FF.

Remarks

(1) Same as “Video Color Temperature adjustment (HIGH)”

5.4 VIDEO COLOR TEMPERATURE ADJUSTMENT (B/W)

Preparation

(1) Same as “Video Color Temperature adjustment: (HIGH)”.

Adjustment

(1) Perform the following adjustment with the remote control.
(2) Set the CRT color analyzer (CA-100) at the center of the panel.
(3) Ensure that Adjustment R/G/B DRIVE (B/W) are all set as FF.
(4) After receiving White Raster signal, step down the two (or one) among Adjustment R/B/G DRIVE (B/W) and adjust the value shown below.

Specification
Video Color temperature (B/W)
x = 0.335 ± 0.005
y = 0.343 ± 0.005
(Color temp: 5400K)

At least one of the data should be FF.

Remarks

(1) Same as “Video Color Temperature adjustment (HIGH)”

5.5 PC COLOR TEMPERATURE ADJUSTMENT (HIGH)

Preparation

(1) This adjustment should be done after video color temperature adjustment.
(2) Confirm that it’s set as factory adjustment mode.
(3) Input WINDOW signal (window ratio 6.25%) into RGB terminals at VGA (60) 0.7V (No set-up).
(4) Set AVC to shipment.
(5) Confirm that the screen size is ‘FULL’.

Adjustment

(1) Perform the following adjustment with the remote control.
(2) Set the CRT color analyzer (CA-100) at the center of the panel.
(3) Ensure that Adjustment R/G/B DRIVE (HIGH) are all set as FF.
(4) After receiving PC signal, step down the two (or one) among Adjustment R/B/G DRIVE (HIGH) and adjust the value shown below.

Specification
PC Color temperature (HIGH)
x = 0.285 ± 0.005
y = 0.294 ± 0.005
(Color temp: 9300K)

At least one of the data should be FF.

(5) Write Adjustment value of video color temperature to the equivalent PC color temperature adjustment items..

Video Color Temperature		PC Color Temperature
R/G/B DRIVE (MEDIUM) data	→	R/G/B DRIVE (MEDIUM) data
R/G/B DRIVE (STD) data	→	R/G/B DRIVE (STD) data
R/G/B DRIVE (B/W) data	→	R/G/B DRIVE (B/W) data

Remarks

(1) Color temperature should be adjusted under the condition in which the screen is the brightest, thus the initial value for adjustment is set its maximum.
(2) Adjustment is made by reducing brightness only. Reduce a bright color for adjustment.
(3) Video color temperature & Adjustment No. are the same, but addresses in the memory are different, thus there’s no problem.

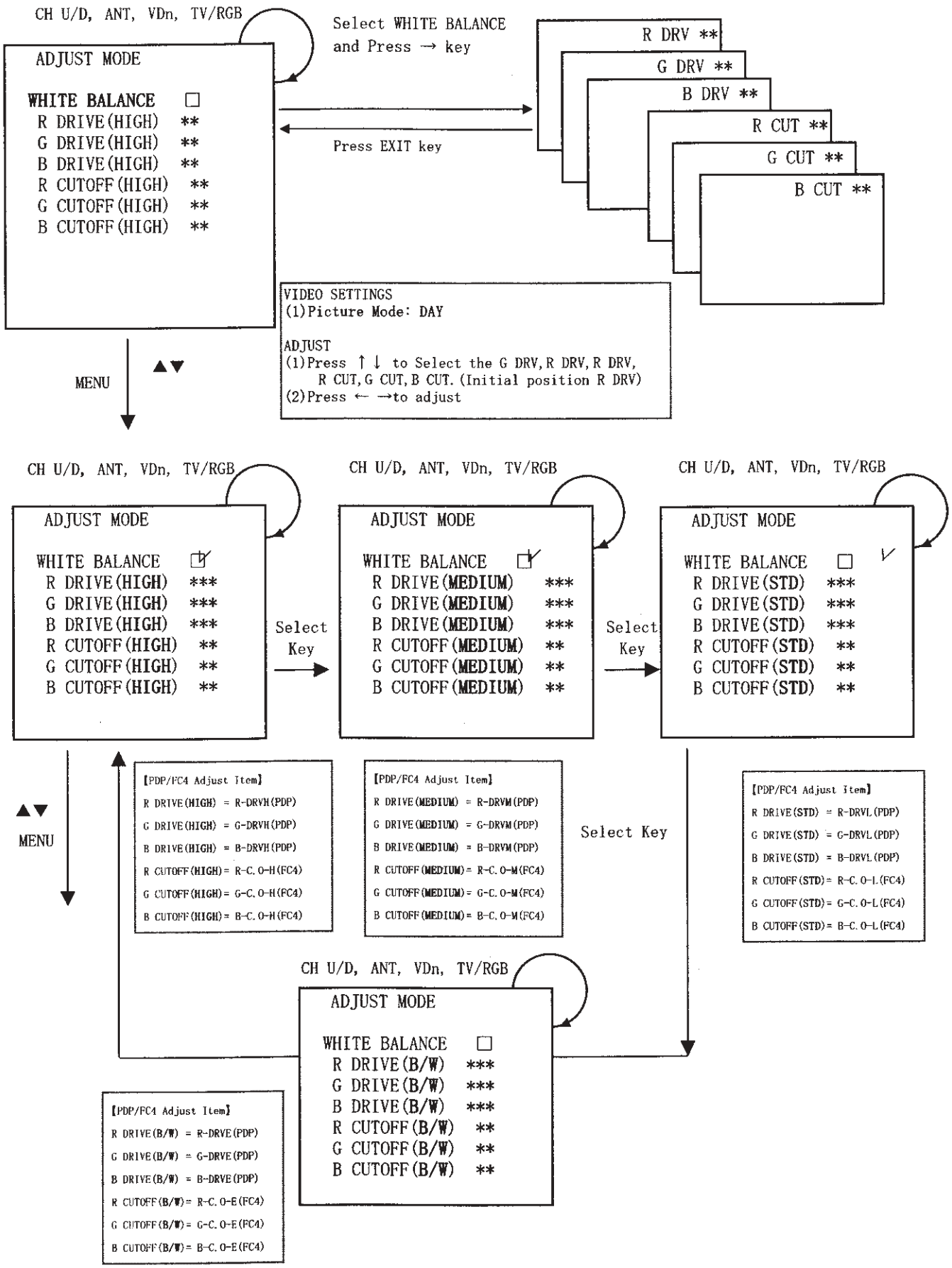
5.6 COLOR TEMPERATURE CORRECTION SETTING

This adjustment should be done after color temperature adjustment.

(1) Set service adjustment menu to “DEVICE ADJUST MODE - PDP”.
(2) Set WBC to “1”.

BACK TO ADJUSTMENTS

5.7 WHITE BALANCE ADJUSTMENT OSD FLOW DIAGRAM



BACK TO ADJUSTMENTS

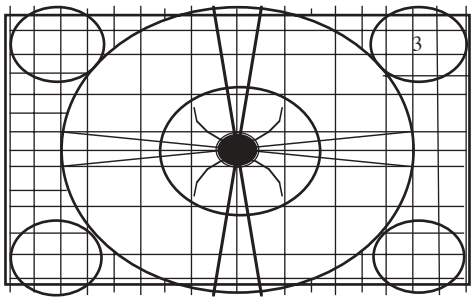
6. SCREEN CHECK

Preparation

(1) Set AC120±1V.
(2) Turn on the power and leave it more than 5 min.
(3) Receive circle pattern at 4:3 Expanded mode.
(4) Input 480p and 1080i circle pattern into Component 1. (ASPECT 16:9 Standard)
(5) Input XGA (60Hz) circle pattern into RGB. (ASPECT Full)

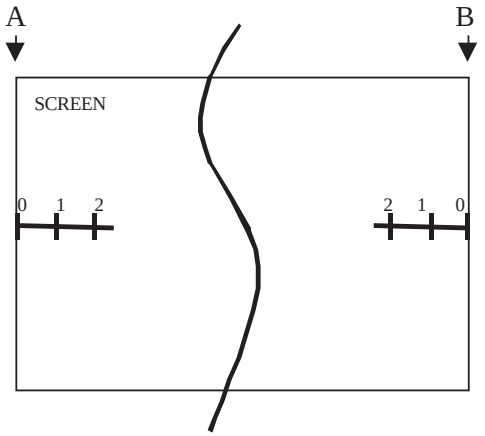
Checking

(1) Receive RF, 480p, 1080i and XGA (60Hz) signal, then check the following items 1~4:
   1. Check the symmetry of the pattern (right/left).
   2. Check the horizontal position and the balance (right/left).
   3. Check the symmetry of the pattern (top/bottom).
   4. Check the vertical position and the balance (top/bottom).



Remarks

(1) RGB: XGA (60Hz).



SIGNAL	ASPECT	SPEC(A,B)
480i	4:3 Expanded	0 +/- 0.5
circle pattern	16:9 Standard	0 +/- 0.5

7. FACTORY RESET

After all of the adjustments of main chassis are finished, perform FACTORY RESET.

(1) Enter Adjustment Mode by the method described in sub-items 1-1 and 1-2 from page 30. (“Adjustment Procedure Start-up”).
(2) From the first menu in Adjustment Mode, select FACT RESET adjustment code.
(3) Activate FACT RESET by pressing “Right” cursor key once.
(4) Check that the receiving channel goes to CH03. Unit is set to factory settings.
(5) This procedure returns user settings to the values and states shown in Table 1 on the following pages.

BACK TO ADJUSTMENTS

Table 1 - Factory Reset

Function	Initial Data/Condition	Note
NTSC Channel(Main, Sub)	03Channel	
Input Mode	Ant A	
Sleep Timer	Not Registered	
Favorite Channels	Not Registered	
Multi Window Mode	Off	
PIP Mode	POP (Bottom Right)	Main: NTSC/480i, Sub: NTSC/480i
	PIP (Bottom Right)	Main: 1080i, Sub: NTSC/480i
Freeze Mode	POP Main Freeze (Bottom Right)	
Master Volume	20 Step	
Video		
Picture Mode(Day/Night)	Day	
Contrast	100%	Picture Mode (Day)
Brightness	50%	Picture Mode (Day)
Color	50%	Picture Mode (Day)
Tint	50%	Picture Mode (Day)
Sharpness	50%	Picture Mode (Day)
Color Temperature (High/Medium/Standard/Black&White)	High	Picture Mode (Day)
Black Enhancement (High/Middle/Low/Off)	Middle	Picture Mode (Day)
Contrast Mode	Dynamic	Picture Mode (Day)
Color Management	Off	
Magenta	71%	
Red	70%	
Yellow	50%	
Green	50%	
Cyan	40%	
Blue	76%	
Color Decoding	RGB	
Red	50%	
Green	50%	
Color	50%	Picture Mode (Day)
Tint	50%	Picture Mode (Day)
Auto Color	Off	Picture Mode (Day)
Noise Reduction	Low	Picture Mode (Day)
Auto Movie Mode	Off	Picture Mode (Day)
Audio		
Treble	50%	
Bass	65%	
Balance	50%	
SRS Trubass	Medium	
Matrix Surround	Off	
Audio Source(Stereo/Mono/SAP)	Stereo	
Internal Speakers	On	
Auto Noise Cancel	Off	
Perfect Volume	Off	
Aspect		
16:9 Sandard, 16:9 Zoom 4:3 Standard, 4:3 Expanded 4:3 Zoom1, 4:3 Zoom2	4:3 Standard	On Input Signal (NTSC, 480i, 480p)
	16:9 Sandard	On Input Signal (720p, 1080i)
Auto Aspect	Off	
Vertical Position	0	
Channel Manager		
Channel Source Antenna/Cable1/Cable2	Antenna	
Auto Channel Scan Antenna/Cable1/Cable2	Not Registered	
Channel List		
Ant A		
CH ID	Not Registered	
Scan	2_13CH	
Lock	Not Registered	
Ant B		
CH ID	Not Registered	
Scan	2_13CH	
Lock	Not Registered	

Table 1 - Factory Reset (Continued)

Channel Lock	Not Registered	
Input Lock	Not Registered	
Front Panel Lock	Not Registered	
TV Time Out		
Start/Stop Time	Not Registered	
Repeat(Once/Daily/Weekly)	Not Registered	
Movie Rating	Not Registered	
TV Rating	Not Registered	
TV Rating(Canadian-English)	Not Registered	
TV Rating(Canadian-French)	Not Registered	
Setup		
Menu Preference		
Menu Language	English	
Menu Background	Shaded	
Screen Saver		
Main Picture Moving	Option 1	
Screen Wipe	_	
Set The Clock		
Time	Not Registered	Sun - -:- - AM
Set The Inputs		
Input 1 Rename	Not Registered	
Input 2		
Rename	Not Registered	
Auto Link(Auto/Remote/Off)	Off	
Input 3 Rename	Not Registered	
Input 4 Rename	Not Registered	
Input 5 Rename	Not Registered	
Video Power Save	On	
Color System		
YPBPR1	Auto	On Input Signal
YPBPR2	Auto	On Input Signal
Black Side Panel	Off	
Set Event Timer (Event1/2/3/4)	Not Registered	
Set Closed Caption		
Caption Display	Auto	
Mode(Captions/Text)	Captions	
Channel(1/2/3/4)	Channel 1	

Function	Initial Data/Condition	Check
PC Mode		
Video		
Contrast	100%	
Brightness	50%	
Color Temperature	High	
Enhancer	Off	
Setup		
Auto Adjust	_	
Horizontal Position	0	
Vsertical Position	0	
Horizontal Clock	0	
Clock Phase	0	
Reset	_	
Input Level	0.7V	
Black Side Pnael	Off	

Table 2 - I²C Adjustment Code and Data

ADJUSTMENT MODE OSD	ADJUSTMENT ITEM		ADJUSTMENT RANGE(HEX)	INITIAL DATA(HEX)	ADJUST VALUE(HEX)
V POSITION					
V POSITION	Vertical Position	480i	7E	3F	
		480p	7E	3F	
		720p	7E	3F	
		1080i	7E	3F	
BURN-IN (PDP)					
BURN-IN	PDP Burn-In		02	01	
WHITE BALANCE (PDP)					
R DRIVE	Red Drive Gain Control	HIGH	FF	-	
		MEDIUM		-	
		STD		-	
		B/W		-	
G DRIVE	Green Drive Gain Control	HIGH	FF	-	
		MEDIUM		-	
		STD		-	
		B/W		-	
B DRIVE	Blue Drive Gain Control	HIGH	FF	-	
		MEDIUM		-	
		STD		-	
		B/W		-	
R CUTOFF	Red Cutoff Control	HIGH	3E	-	
		MEDIUM		-	
		STD		-	
G CUTOFF	Green Cutoff Control	HIGH	3E	-	
		MEDIUM		-	
		STD		-	
B CUTOFF	Blue Cutoff Control	B/W	3E	-	
		HIGH		-	
		MEDIUM		-	
UPD64083 (3D-Y/C) (B9H) Read Mode					
SYNCDET	Sync Detection 0: Sync, 1: No Sync		01	-	
F-STD	Frame Sync Nonstandard Detection 0: Standard, 1: Non standard		01	-	
V-STD	Vertical Sync Nonstandard Detection 0: Standard, 1: Non standard		01	-	
H-STD	Horizontal Sync Nonstandard Detection 0: Standard, 1: Non standard		01	-	
NOISE	Noise Level Detection 00: Noise Small FF: Noise Large		FF	-	

Table 2 - I²C Adjustment Code and Data (Continued)

ADJUSTMENT MODE OSD	ADJUSTMENT ITEM		ADJUSTMENT RANGE(HEX)	INITIAL DATA(HEX)	ADJUST VALUE(HEX)
UPD64083 (3D-Y/C) (B8H)					
MSS	Compulsion Frame/Line Setting		03	00	
CDL-1	C Signal Delay Adjustment		07	03	
CDL-3	C Signal Delay Adjustment		07	04	
DYCO	Y Motion Detection Coring Level		0F	02	
DYGA	Y Motion Detection Gain		0F	09	
DCCO	C Motion Detection Coring Level		0F	03	
DCGA	C Motion Detection Gain		0F	06	
YNRK	Frame Cycle YNR Non-linear Filter Gain		01	00	
YNRIN	Frame Cycle YNR Filter		01	00	
YNRLI	Frame Cycle YNR Non-linear Filter Limit Level		03	01	
CNRK	Frame Cycle CNR Non-linear Filter Gain		01	00	
CNRIN	Frame Cycle CNR Filter		01	00	
CNRLI	Frame Cycle CNR Non-linear Filter Limit Level		03	01	
VAPGA	Vertical Aperture Control Gain	32/37/42"	07	04	
APGA		50"	07	04	
VAPIN	Vertical Aperture Control Invert	32/37/42	1F	1F	
APIN		50"	1F	1F	
YPFG	Y Peaking Filter Gain	32/37/42"	0F	08	
PFG		50"	0F	08	
YHC1	32/37/42" Y Output High Frequency Coring	TV, NR <> High	03	00	
YHC1-NR		TV, NR = High	03	02	
YHC3		NTSC,NR <> High	03	00	
YHC3-NR		NTSC,NR = High	03	02	
HC1	50" Y Output High Frequency Coring	TV, NR <> High	03	00	
HC1-NR		TV, NR = High	03	02	
HC3		NTSC,NR <> High	03	00	
HC3-NR		NTSC,NR = High	03	02	
TA1383F Main Read Mode (D9H)					
HSYNC-M	Main H-Sync Signal		FF	-	
VSYNC-M	Main V-Sync Signal		7F	-	
CSYNC-M	Main C-Sync Signal		01	-	
TA1383F SUB Read Mode					
HSYNC-S	Sub H-Sync Signal		FF	-	
VSYNC-S	Sub V-Sync Signal		7F	-	
CSYNC-S	Sub C-Sync Signal		01	-	
TA1383F MAIN (D8H)					
M-CONT4	Sub Contrast Control 00: MIN(-3dB) 1F: MAX(+3dB)	TV/NTSC	1F	0F	13*
M-CONTP		480i/480p SDTV	1F	13	
M-CONTG		720p/1080i HDTV	3F	21	
M-CLR-4	Sub Color Control 32/37/42" 00: MIN(-3dB) 1F: MAX(+3dB)	TV/NTSC	1F	1C	
M-CLR-P		480i/480p SDTV	1F	1A	
M-CLR-G		720p/1080i HDTV	1F	1E	
MCLR-4	Sub Color Control 50" 00: MIN(-3dB) 1F: MAX(+3dB)	TV/NTSC	1F	1C	
MCLR-P		480i/480p SDTV	1F	1A	
MCLR-G		720p/1080i HDTV	1F	1E	
MTINT-4	Sub Tint Control 0: MIN(-7deg) F: MAX(+7deg)	TV/NTSC	0F	09	
MTINT-P		480i/480p SDTV	0F	0A	

* This data is an approximate service code data. This value is adjusted by 3.2 SUB-CONTRAST ADJUSTMENT.

Table 2 - I²C Adjustment Code and Data (Continued)

MTINT-G		720p/1080i HDTV	0F	07	
MYBLAC4	Main Y Black Level Control 00: OFF 01: MIN_FE: MAX	TV/NTSC	FE	B5	
MYBLACD		480i/480p720p/1080i	FE	00	
MTOFF00	Main NTSC TOF Center Frequency Switch 0: OFF, 1: MIN(0.8 fsc) 7: MAX(1.5 fsc)	TV/NTSC	07	00	
MTOFQ-0	Main NTSC TOF Q Characteristic Switch 0: MIN(0.6), 7: MAX(1.2)	TV/NTSC	07	00	
TA1383F SUB (DAH)					
S-CONT4	Sub Contrast Control 00: MIN(-3dB) 1F: MAX(+3dB)	TV/NTSC	1F	15	12*
S-CONTP		480i/480p SDTV	1F	18	
S-CONTG		720p/1080i HDTV	3F	20	
S-CLR-4	Sub Color Control 32/37/42" 00: MIN(-3dB) 1F: MAX(+3dB)	TV/NTSC	1F	1C	
S-CLR-P		480i/480p SDTV	1F	1A	
S-CLR-G		720p/1080i HDTV	1F	1E	
SCLR-4	Sub Color Control 50" 00: MIN(-3dB) 1F: MAX(+3dB)	TV/NTSC	1F	1C	
SCLR-P		480i/480p SDTV	1F	1A	
SCLR-G		720p/1080i HDTV	1F	1E	
STINT-4	Sub Tint Control 0: MIN(-7deg) F: MAX(+7deg)	TV/NTSC	0F	09	
STINT-P		480i/480p SDTV	0F	0A	
STINT-G		720p/1080i HDTV	0F	07	
SYBLAC4	Sub Y Black Level Control 00: OFF 01: MIN_FE: MAX	TV/NTSC	FE	B5	
SYBLACD		480i/480p720p/1080i	FE	00	
STOFF00	Main NTSC TOF Center Frequency Switch 0: OFF, 1: MIN(0.8 fsc) 7: MAX(1.5 fsc)	TV/NTSC	07	00	
STOFQ-0	Main NTSC TOF Q Characteristic Switch 0: MIN(0.6), 7: MAX(1.2)	TV/NTSC	07	00	
TA1383F MAIN/SUB D8H/DAH					
Y-DL1-4	Y Delay Time Adjust 1 Base Band Section 0: -10 ns, 1: 0 ns 2: +10 ns, 3: +20 ns	TV/NTSC	03	01	
Y-DL1-D		480i/480p/720p/1080i/Bypass(YPBPR/DVI)	03	00	
Y-DL2-0	Y Delay Time Adjust 2 NTSC Section 0: OFF, 1: +40 ns 2: +80 ns, 3: +120 ns	ALL	03	00	
BBLACKM	32/37/42" CB(PB) Black Level Control 00: OFF 01: MIN_FE: MAX	TV/NTSC/480i	FE	00	
BBLACK6		480p	FE	00	
BBLACK7		720p	FE	00	
BBLACK8		1080i	FE	00	
RBLACKM	32/37/42" CR(PR) Black Level Control 00: OFF 01: MIN_FE: MAX	TV/NTSC/480i	FE	00	
RBLACK6		480p	FE	00	
RBLACK7		720p	FE	00	
RBLACK8		1080i	FE	00	
AFCRAN4	Horizontal AFC Switch 0: Normal 1: Narrow	TV/NTSC	01	00	
AFCRAND		480i/480p/720p/1080i/Bypass(YPBPR/DVI)	01	00	
F-DET-4	Frequency Detection Input Switch 0: 480i-1 NTSC 1: 480i-2 NTSC 2: D-SYNC2 3: HD/VD	TV/NTSC	03	00	
F-DET-D		480i/480p/720p/1080i/Bypass(YPBPR/DVI)	03	02	

* This data is an approximate service code data. This value is adjusted by 3.2 SUB-CONTRAST ADJUSTMENT.

Table 2 - I²C Adjustment Code and Data (Continued)

HSEPL-4	Horizontal Sync Separation Level Switch 0: 20%, 1: 27% 2: 34%, 3: 40%	TV/NTSC	03	00	
HSEPL-5		480i	03	00	
HSEPL-6		480p	03	00	
HSEPL-C		720p/1080i/Bypass	03	00	
VSEPL-4	Vertical Sync Separation Level switch 0: 40%, 1: 50% 2: 60%, 3: 70%	TV/NTSC	03	00	
VSEPL-5		480i	03	00	
VSEPL-6		480p	03	00	
VSEPL-C		720p/1080i/Bypass	03	00	
DSEPL-A	D-SYNC2-IN Sync Separation Level Switch 0: 20%, 1: 30% 2: 40%, 3: 50%	480i/480p	03	00	
DSEPL-C		720p/1080i/Bypass	03	00	
AFCMD-L	AFC Gain Switch 0: AUTO 1, 1: AUTO 2 2: AUTO 3,3: AUTO 4,4:+6dB,5: 0 dB, 6: -12 dB 7: OFF(Horizontal Free Run≈j	TV	07	06	
AFCMD-3		NTSC	07	02	
AFCMD-D		480i/480p/720p/1080i/ Bypass	07	02	
VMODE-4	Vertical Sync Mode Switch 0: Normal PLL Mode 1: Sync Output Mode	TV/NTSC	01	00	
VMODE-5		480i	01	00	
48ISEP4	480i Separator Mode Switch 0: ON, 1: OFF	TV/NTSC	01	00	
B.WM	32/37/42" Band Width Filter Switch 0: OFF, 1: 11.3MHz/-3dB 2: 16MHz/-3dB, 3: Mute	TV/NTSC/480i	03	02	
B.WM-NR		TV/NTSC/480i -NR	03	01	
B.WN		480p/720p/1080i	03	00	
B.WN-NR		480p/720p/1080i -NR	03	02	
BWM	50" Band Width Filter Switch 0: OFF, 1: 11.3MHz/-3dB 2: 16MHz/-3dB, 3: Mute	TV/NTSC/480i	03	02	
BWM-NR		TV/NTSC/480i -NR	03	01	
BWN		480p/720p/1080i	03	00	
BWN-NR		480p/720p/1080i -NR	03	02	
HDPOSI4	HD Output Phase Adjustment 0: 800 ns Advance F: Sync Center	TV/NTSC	0F	08	
HDPOSI5		480i	0F	09	
HDPOSI6		480p	0F	01	
HDPOSI7		720p	0F	00	
HDPOSIK		1080i/Bypass	0F	00	
OSD-HP	OSD Horizontal Position		0F	07	
OSD-VP	OSD Vertical Position		0F	07	
CCD-HP	CCD Horizontal Position		4F	39	
CCD-VP	CCD Vertical Position (not available)		7F	18	

Table 2 - I²C Adjustment Code and Data (Continued)

ADJUSTMENT MODE OSD	ADJUSTMENT ITEM		ADJUSTMENT RANGE(HEX)	INITIAL DATA(HEX)	ADJUST VALUE(HEX)
PDP					
R-DRVH	Red Drive Gain Adjustment (HIGH)		FF	FF	
G-DRVH	Green Drive Gain Adjustment (HIGH)		FF	FF	
B-DRVH	Blue Drive Gain Adjustment (HIGH)		FF	FF	
R-DRVM	Red Drive Gain Adjustment (MEDIUM)		FF	FF	
G-DRVM	Green Drive Gain Adjustment (MEDIUM)		FF	FF	
B-DRVM	Blue Drive Gain Adjustment (MEDIUM)		FF	FF	
R-DRVL	Red Drive Gain Adjustment (STD)		FF	FF	
G-DRVL	Green Drive Gain Adjustment (STD)		FF	FF	
B-DRVL	Blue Drive Gain Adjustment (STD)		FF	FF	
R-DRVE	Red Drive Gain Adjustment (B/W)		FF	FF	
G-DRVE	Green Drive Gain Adjustment (B/W)		FF	FF	
B-DRVE	Blue Drive Gain Adjustment (B/W)		FF	FF	
GAMMA-D	gamma selection	TV/Video	02	01	
GAMMA-H	0:1.0, 1:2.2, 2:2.8	PC	02	01	
BURN-IN	Burn-In Mode		02	01	
APC32	APC Control 32"		01	00	
APC3742	APC Control 37/42"		01	00	
PDP-VER	PDP Microcomputer Version Display		03E7	-	
PDP-TM	PDP Panel Drive Time		FFFF	-	
CCFMD-D	Brightness/Gradation	TV/VID	01	00	
CCFMD-H	Priority Switch	PC	01	00	
CCFORMF	NTSC/EBU Switch	SDTV	01	00	
CCFORMG		HDTV	01	00	
CCFORMH		PC	01	00	
DCBONH	Tracking Adjustment Switch	TV/VID Col.Temp:High	01	00	
DCBONML		TV/VID Col.Temp:Med/Std/BW	01	01	
DCBON-H		PC	01	01	
WBC	White Balance Correction		03	00	00
HAPC	Heat APC Selection		01	01	
Q.MODE	Q.MODE 0:On,1:Off 32/37/42":valid,50":invalid		01	00	
V CHIP					
SMPLING	Rating Detection Sampling Time T1=32xN ms		FE	00	
POLLING	Rating Detection Polling Counter		FE	0F	
START	Rating Block Start Counter		07	02	
TIMEOUT	Rating Block Release Timeout		1E	05	
STATUS	Rating Block Release Counter		07	02	
IR BLASTER					
IRDELAY	IR Start Delay Time		10	03	
IRREPT	IR Send Data Repeat Time		80	20	
Sync Frequency Detection					
HFRQ-N	The number of times of Sync Frequency		0F	03	

Table 2 - I²C Adjustment Code and Data (Continued)

ADJUSTMENT MODE OSD	ADJUSTMENT ITEM		ADJUSTMENT RANGE(HEX)	INITIAL DATA(HEX)	ADJUST VALUE(HEX)
FC4 Read Mode					
TVCINE	TV≈Cinema Detection display On=1		01	-	
MAXLVL1	Maximum input level(Main) display		FE	-	
MAXLVL2	Maximum input level(Sub) display		FE	-	
FC4					
SHP-L	32/37/42" Sharpness	TV	1F	1F	
SHPL-NR		TV-NR	1F	0D	
SHP-3		NTSC	1F	14	
SHP-5		480i	1F	14	
SHP3-NR		NTSC-NR	1F	0B	
SHP5-NR		480i-NR	1F	0B	
SHP-6		480p	1F	0E	
SHP-7		720p	1F	0B	
SHP-8		1080i	1F	0B	
SHPN-NR		480p/720p/1080i-NR	1F	06	
HP-L	50" Sharpness	TV	1F	1F	
HPL-NR		TV-NR	1F	0D	
HP-3		NTSC	1F	14	
HP-5		480i	1F	14	
HP3-NR		NTSC-NR	1F	0B	
HP5-NR		480i-NR	1F	0B	
HP-6		480p	1F	0E	
HP-7		720p	1F	0B	
HP-8		1080i	1F	0B	
HPN-NR		480p/720p/1080i-NR	1F	06	
H.EL	32/37/42" Horizontal Enhance Gain 0_3 Gain	TV	03	00	
H.EL-NR		TV	03	00	
H.E3		NTSC	03	01	
H.E5		480i	03	00	
H.E3-NR		NTSC-NR	03	00	
H.E5-NR		480i-NR	03	00	
H.EB		720p/1080i	03	03	
H.E6		480P	03	03	
H.EN-NR		480p/720p/1080i-NR	03	00	
HEL	50" Horizontal Enhance Gain 0_3 Gain	TV	03	00	
HEL-NR		TV-NR	03	00	
HE3		NTSC	03	01	
HE5		480i	03	00	
HE3-NR		NTSC-NR	03	00	
HE5-NR		480i-NR	03	00	
HEB		720p/1080i	03	03	
HE6		480P	03	03	
HEN-NR		480p/720p/1080i-NR	03	00	

Table 2 - I²C Adjustment Code and Data (Continued)

V.EL	32/37/42"	TV	03	00	
V.EL-NR	Vertical Enhance Gain	TV-NR	03	00	
V.E3	0_3 Gain	NTSC	03	03	
V.E5		480i/480p	03	03	
V.E3-NR		NTSC-NR	03	00	
V.E5-NR		480i-NR	03	00	
V.EB		720p/1080i	03	00	
V.E6		480P	03	03	
V.EN-NR		480p/720p/1080i-NR	03	00	
VEL	50"	TV	03	00	
VEL-NR	Vertical Enhance Gain	TV-NR	03	00	
VE3	0_3 Gain	NTSC	03	03	
VE5		480i/480p	03	03	
VE3-NR		NTSC-NR	03	00	
VE5-NR		480i-NR	03	00	
VEB		720p/1080i	03	00	
VE6		480P	03	03	
VEN-NR		480p/720p/1080i-NR	03	00	
CVHE-L	C V H Enhance GAIN	TV	1F	10	
CVHE-M	0_31 Gain	NTSC/480i	1F	10	
CVHE-N		480p/720p/1080i	1F	0D	
YNR-LVL	YNR Input Level	TV	07	04	
YNR-LV3	0:OFF 1_7:Input Gain	NTSC	07	04	
YNR-LV5		480i	07	04	
YNR-LV6		480p	07	04	
YNR-LVB		720p/1080i	07	04	
CNR-LVL	CNR Input Level	TV	07	04	
CNR-LV3	0:OFF 1_7:Input Gain	NTSC	07	04	
CNR-LV5		480i	07	01	
CNR-LV6		480p	07	01	
CNR-LVB		720p/1080i	07	01	
V-POSI7	TV Vertical Position	720p	7E	3F	
V-POSI8	0:-63_63:0_126:+63	1080i	7E	3F	
BLK-LV4	Brightness Amp	TV/NTSC	FE	7F	
BLK-LVD	0:-127_127:0_254:+127	480i/480p/720p/1080i/Bypass	FE	7F	
BLK-LVH		PC	FE	7F	
RGBAMPD	Contrast Amp	TV/Video	FE	7F	
RGBAMPH	0:-127_127:0_254:+127	PC	FE	7F	
BRTCEN4	32/37/42"	TV/NTSC/Multi	FE	80	
BRTCENA	Brightness	480i/480p	FE	7C	
BRTCENB		720p/1080i	FE	7C	
BRTCENH		PC	FE	80	
RTCEN4	50"	TV/NTSC/Multi	FE	85	
RTCENA	Brightness	480i/480p	FE	81	
RTCENB		720p/1080i	FE	81	
RTCENH		PC	FE	80	
CNTCEN4	Contrast	TV/NTSC	FE	89	
CNTCEND		480i/480p/720p/1080i	FE	89	
CNTCENH		PC	FE	80	
CNTCENE		offset at SPLIT	FE	3C	

Table 2 - I²C Adjustment Code and Data (Continued)

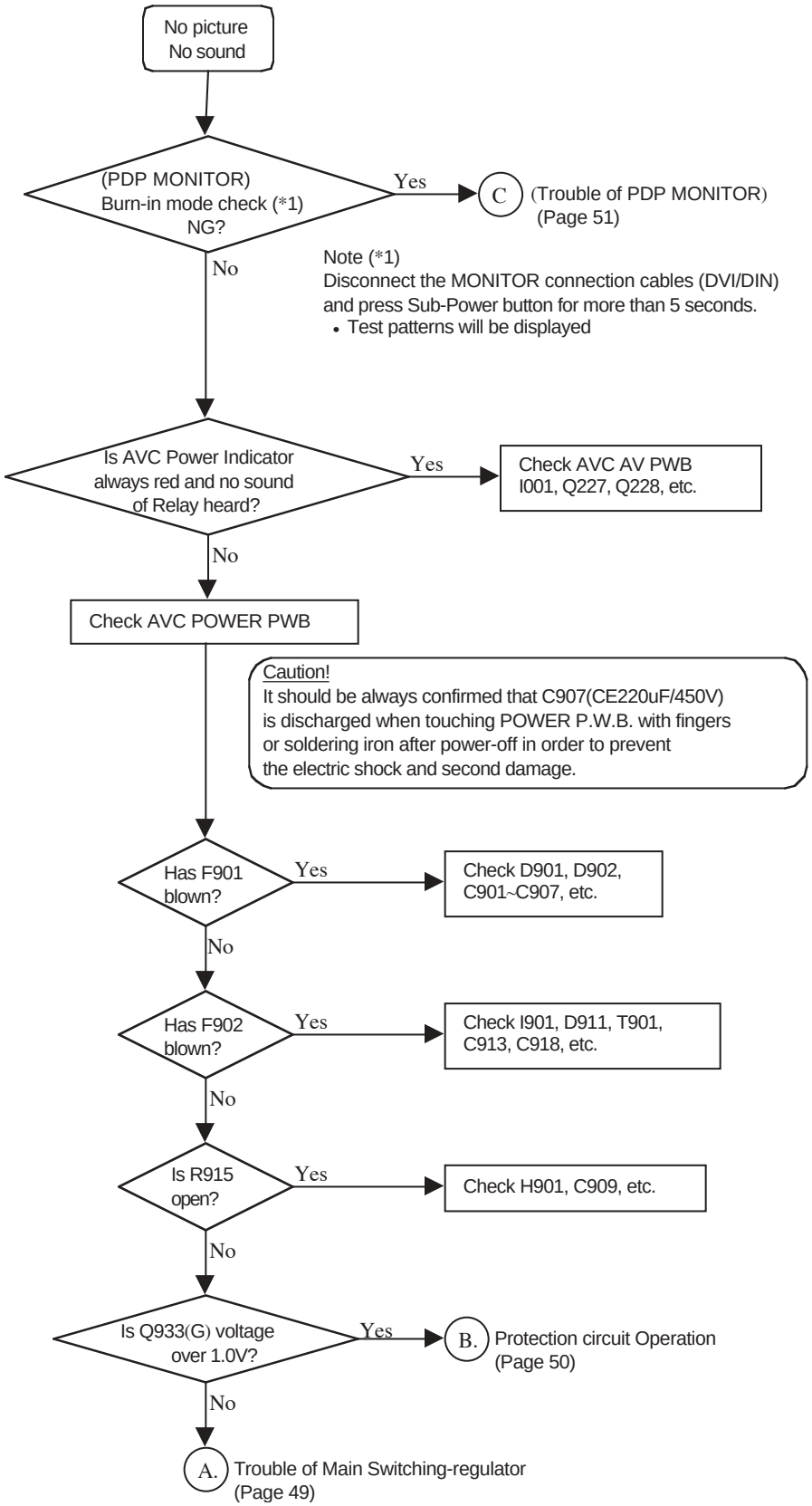
NRMLCNT	Brightness max	Normal/Real	FE	BC	
BSGOFS	Black Stretch Gain Offset	ALL	3F	1F	
COLOR-F	Color	SDTV(NT1/NT2/HD3/HD4/HD6)	7F	55	
COLOR-G		HDTV(NT3/HD2/HD1/HD5)	7F	5E	
TINT-F	Tint 32/37/42"	SDTV(NT1/NT2/HD3/HD4/HD6)	FE	89	
TINT-G		HDTV(NT3/HD2/HD1/HD5)	FE	81	
INT-F	Tint 50"	SDTV(NT1/NT2/HD3/HD4/HD6)	FE	8E	
INT-G		HDTV(NT3/HD2/HD1/HD5)	FE	8A	
HDMODE8	not use	HD1/HD4	01	00	
FLAON	Automatic Signal Adjustment		_	_	
R-C.O-H	R Gamma Offset	C.Temp=High	3E	1F	
G-C.O-H	G Gamma Offset		3E	1F	
B-C.O-H	B Gamma Offset		3E	1F	
R-C.O-M	R Gamma Offset	C.Temp=Medium	3E	1F	
G-C.O-M	G Gamma Offset		3E	1F	
B-C.O-M	B Gamma Offset		3E	1F	
R-C.O-L	R Gamma Offset	C.Temp=Low	3E	1F	
G-C.O-L	G Gamma Offset		3E	1F	
B-C.O-L	B Gamma Offset		3E	1F	
R-C.O-E	R Gamma Offset	C.Temp=B/W	3E	1F	
G-C.O-E	G Gamma Offset		3E	1F	
B-C.O-E	B Gamma Offset		3E	1F	
FC4.ORG	FC4 Adjustment MENU		_	_	
ETC					
POWSAVE	PC Power Save 0:OFF 1:ON		01	01	
POWS-TM	PC Power Save Timer (second)		FE	0F	
INPUT1	Main: YPbPr freq. detection fixed mode		04	00	
INPUT2	Sub : YPbPr freq. detection fixed mode		04	00	
S.CSTEP	Sub Contrast adjustment step		FE	06	
S.C-UP	Sub Contrast adjustment maximum limit		FE	E6	
S.C-LOW	Sub Contrast adjustment minimum limit		FE	E0	
M-MAX	Main:maximum luminosity display		FE	*	
S-MAX	Sub :maximum luminosity display		FE	*	
TA1383	TA1383F/TA1340F selection TA1383:1,TA1340:0		01	01	
ID1-CCD	VideoID read data(CCD core S/W) 0:4x3,1:16x9,2:LB,3:(no use),4:NoData		04	*	
ID1-3D	VideoID read data(3DYC IC) 0:4x3(No Data),1:16x9,2:LB,3:(no use)		03	*	
M-CONTQ	TA1383F: Sub Contrast Control 00: MIN(-3dB) 1F: MAX(+3dB)	480i/480p(DVI)	1F	0E	
M-CONTR		VGA(DVI)	1F	07	
M-CONTS		720p/1080i(DVI)	1F	0E	
M-CLR-R	Sub Color Control 32/37/42	VGA(DVI)	1F	0F	
MCLR-R	Sub Color Control 50	VGA(DVI)	1F	0F	
S-CONTQ	TA1383F: Sub Contrast Control 00: MIN(-3dB) 1F: MAX(+3dB)	480i/480p(DVI)	1F	13	
S-CONTR		VGA(DVI)	1F	0C	

Table 2 - I²C Adjustment Code and Data (Continued)

S-CONTS		720p/1080i(DVI)	1F	13	
S-CLR-R	Sub Color Control 32/37/42	VGA(DVI)	1F	0D	
SCLR-R	Sub Color Control 50	VGA(DVI)	1F	0D	
V-POSI5	FC4: Vertical Position	480i	44	3F	
V-POSI6		480p	44	3F	
BBLCKM	TA1383F 50" CB(PB) Black Level Control 00: OFF 01: MIN_FE: MAX	TV/NTSC/480i	FE	00	
BBLCK6		480p	FE	00	
BBLCK7		720p	FE	00	
BBLCK8		1080i	FE	00	

RBLCKM	TA1383F 50" CR(PR) Black Level Control 00: OFF 01: MIN_FE: MAX	TV/NTSC/480i	FE	00	
RBLCK6		480p	FE	00	
RBLCK7		720p	FE	00	
RBLCK8		1080i	FE	00	
BBLACKQ	32/37/42" CB(PB) Black Level Control 00: OFF 01: MIN_FE: MAX	DVI(480i/480p)	FE	00	
BBLACKS		DVI(720p/1080i)	FE	00	
RBLACKQ	32/37/42" CR(PR) Black Level Control 00: OFF 01: MIN_FE: MAX	DVI(480i/480p)	FE	00	
RBLACKS		DVI(720p/1080i)	FE	00	
BBLCKQ	50" CB(PB) Black Level Control 00: OFF 01: MIN_FE: MAX	DVI(480i/480p)	FE	00	
BBLCKS		DVI(720p/1080i)	FE	00	
RBLCKQ	50" CR(PR) Black Level Control 00: OFF 01: MIN_FE: MAX	DVI(480i/480p)	FE	00	
RBLCKS		DVI(720p/1080i)	FE	00	
DUMMY0	dummy		FF	FF	
DUMMY1	dummy		FF	FF	
DUMMY2	dummy		FF	FF	
DUMMY3	dummy		FF	FF	
DUMMY4	dummy		FF	FF	
DUMMY5	dummy		FF	FF	
DUMMY6	dummy		FF	FF	
DUMMY7	dummy		FF	FF	
DUMMY8	dummy		FF	FF	

TROUBLESHOOTING FLOWCHARTS
(1 OF 4)



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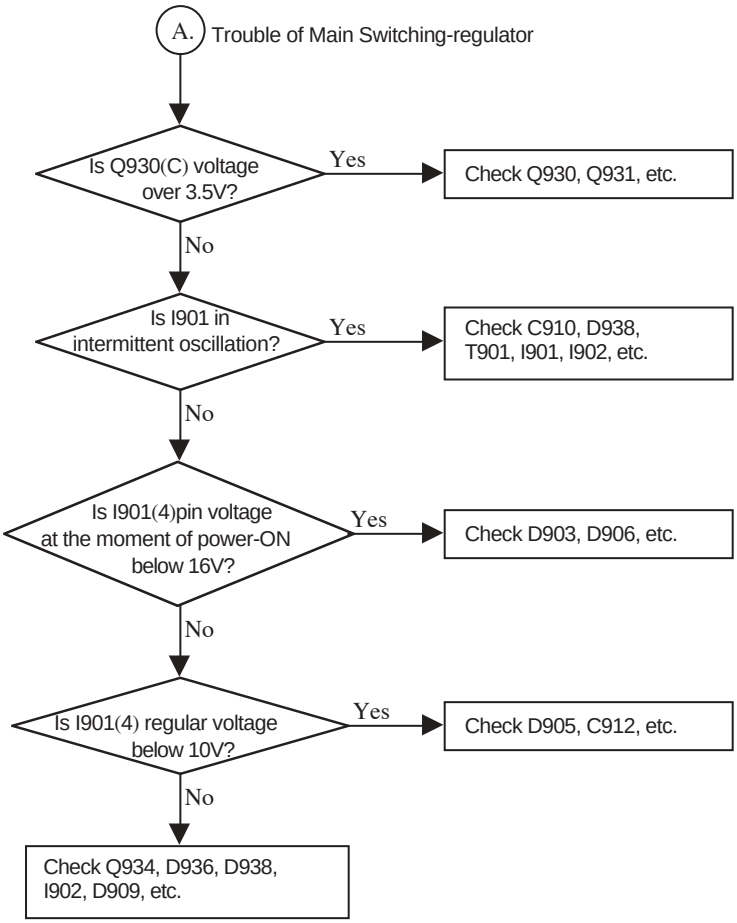
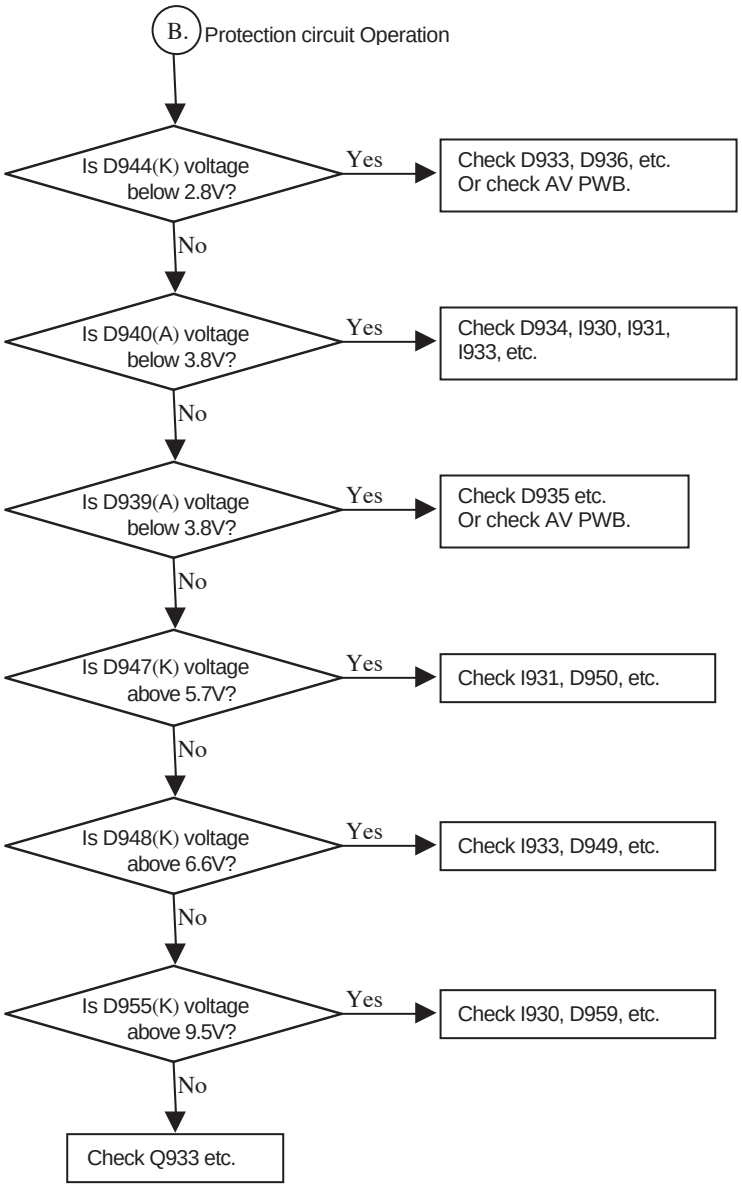
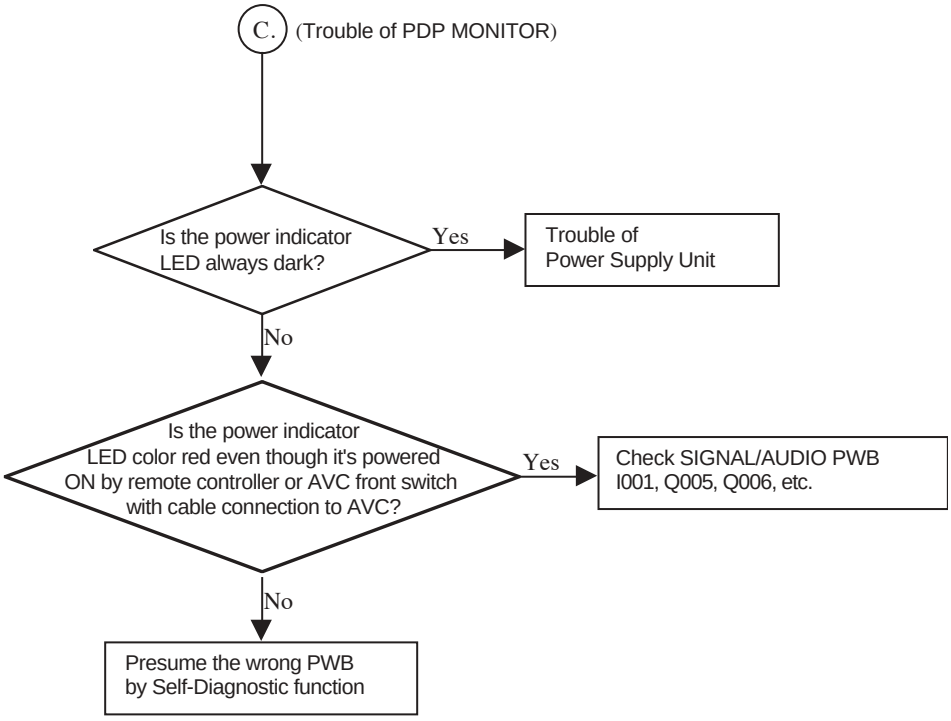
TROUBLESHOOTING FLOWCHARTS
(2 OF 4)



TROUBLESHOOTING FLOWCHARTS
(3 OF 4)



TROUBLESHOOTING FLOWCHARTS
(4 OF 4)


C.
(Trouble of PDP MONITOR)
Is the power indicator LED always dark?
Yes
Trouble of Power Supply Unit
No
Is the power indicator LED color red even though it's powered ON by remote controller or AVC front switch with cable connection to AVC?
Yes
Check SIGNAL/AUDIO PWB I001, Q005, Q006, etc.
No
Presume the wrong PWB by Self-Diagnostic function

SELF DIAGNOSIS FUNCTION
• PDP Monitor

Sub-Power button also activates Self Diagnosis mode for a PDP monitor failure with no picture.
To enter to Self Diagnosis mode, follow the next conditions and steps:

Conditions:
1) The connection cable between the Monitor and AVC (DVI and DIN) must be unplugged from the Monitor.
2) Make sure Power Cord of AC line is connected to the PDP Monitor.
3) The Main Power switch must be turned on.

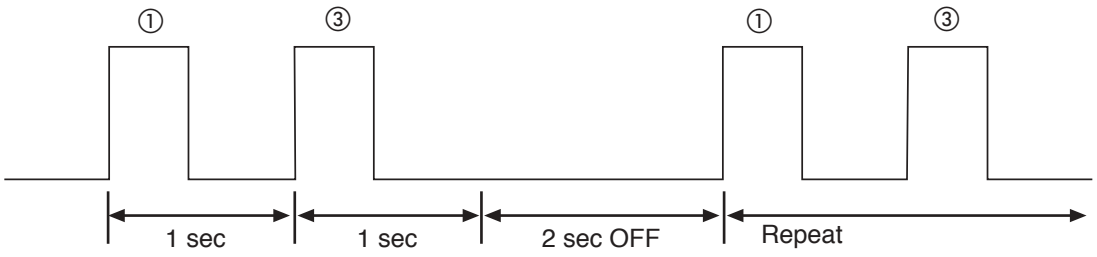
Procedure:
1) Press Sub-Power button for more than 5 seconds.
2) Make sure Power Cord of AC line is connected to the PDP Monitor.
3) If PDP Monitor has no failure, it enters Burn-in mode.
4) Turning off the Main Power switch would cancel the Self Diagnosis mode.
5) The next table shows the PDP PWB in which failure most probably would be allocated according to the number of blinks.

Number of red blinks of power indication light	Presumed failing PWB
1	Logic
2	X-SUS
3	Y-SUS
4	X-SUS, Y-SUS, SDM, PSU
5	ADM, PSU, ABUS
6	ADM
7	ADM
8	All PWB's

SDM: Scan Driver Module
PSU: Power Supply Unit
ADM: Address Driver Module

Note: SDM is permanently contacted to glass part

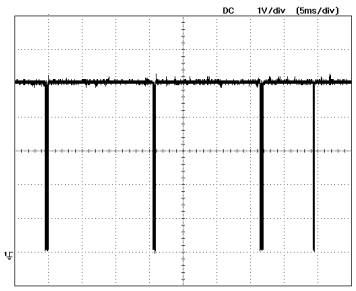
[Blinking condition of power indication light]
ex. 2 blinks



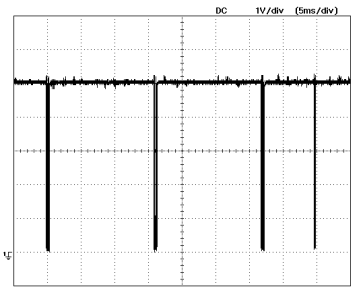
WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

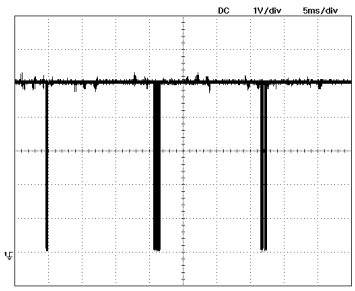
1 I001 Pin 29



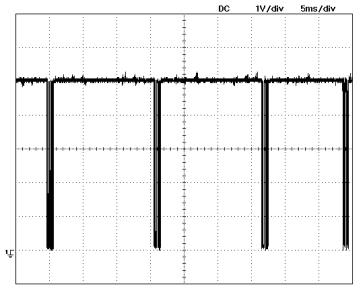
2 I001 PIN 30



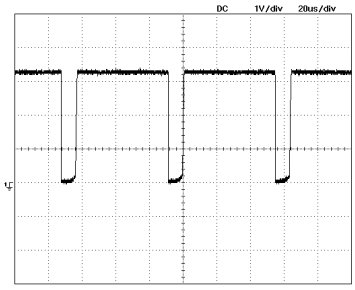
3 I001 PIN 28



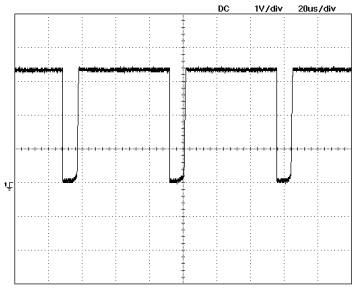
4 I001 PIN 31



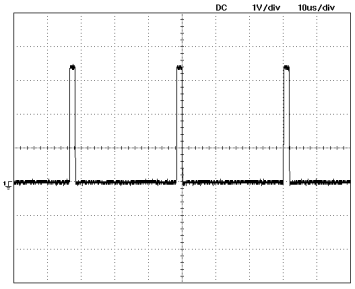
5 I001 PIN 23



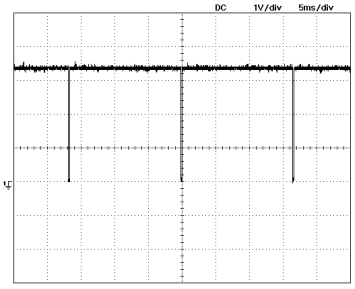
6 I001 PIN 25



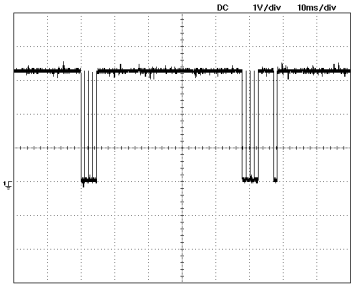
7 I001 PIN 62



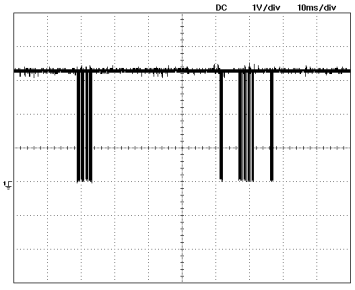
8 I001 PIN 64



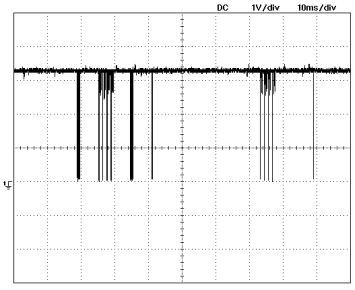
9 I001 PIN 56



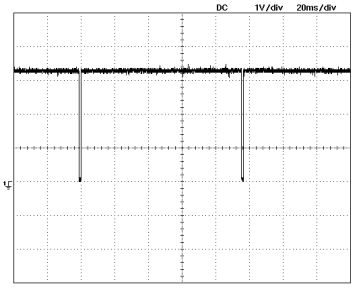
10 I001 PIN 53



11 I001 PIN 52



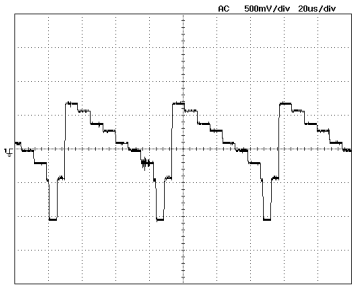
12 I001 PIN 55



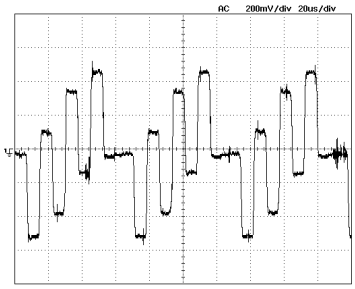
WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

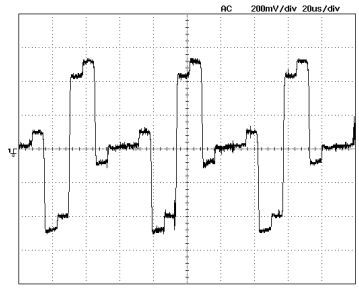
(13) TP301 (PS0FP PIN 24)



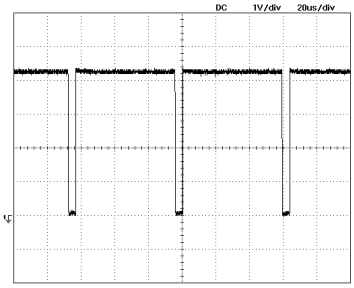
(14) TP302 (P50FP PIN 23)



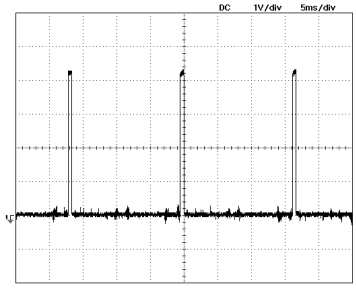
(15) TP303 (P50FP PIN 22)



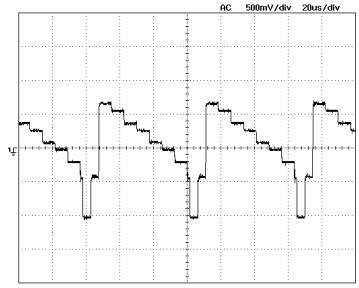
(16) TP304 (P50FP PIN 20)



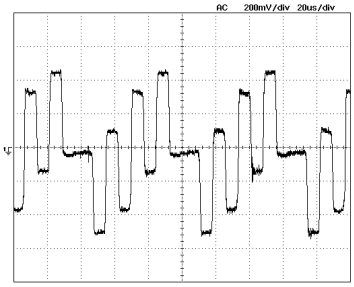
(17) TP305(P50FP PIN 19)



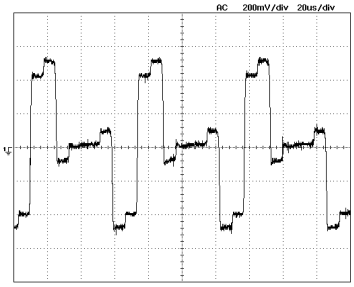
(18) TP306 (P50FP PIN 17)



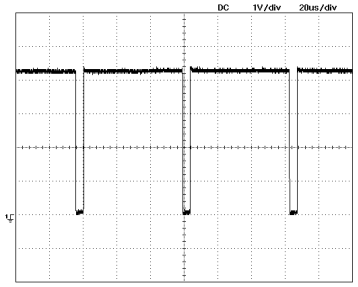
(19) TP307 (P50FP PIN 16)



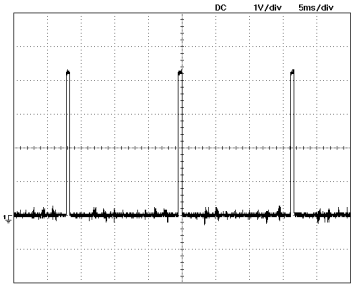
(20) TP308 (P50FP PIN 15)



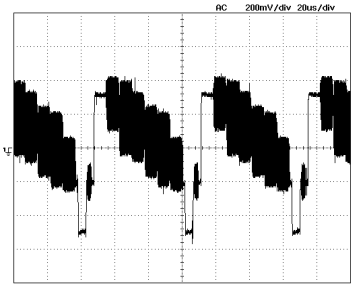
(21) TP309 (P50FP PIN 13)



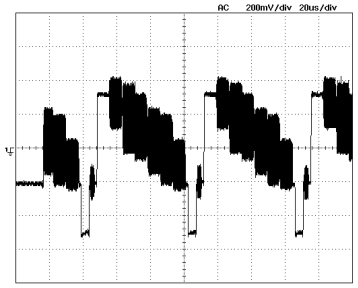
(22) TP310 (P50FP PIN 12)



(23) U102 PIN 18



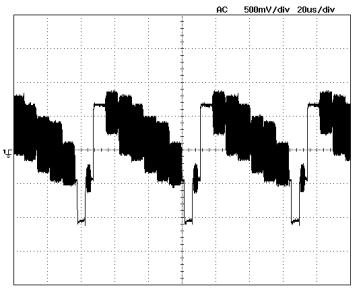
(24) U101 PIN 18



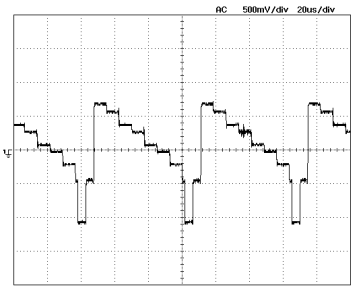
WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

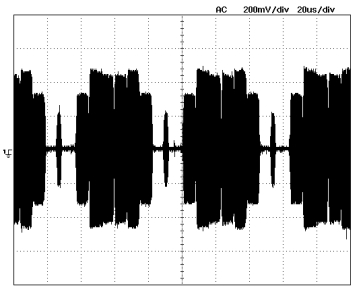
(25) TPX51 (IX01 PIN 44)



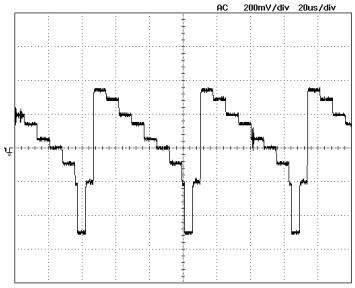
(26) TPX54 (IX01 PIN 56)



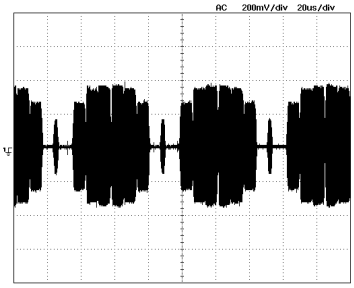
(27) TPX55 (IX01 PIN 58)



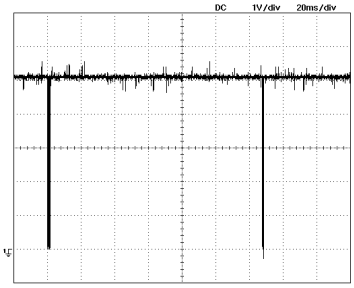
(28) TPW03 (IW01 PIN 84, after LPF)



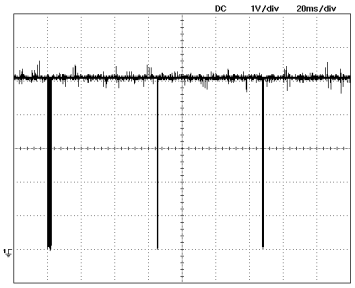
(29) TPZ23 (IW01 PIN 83, after chroma)



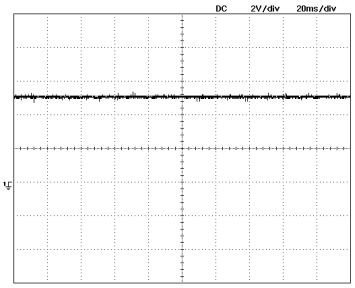
(30) I001 PIN 54



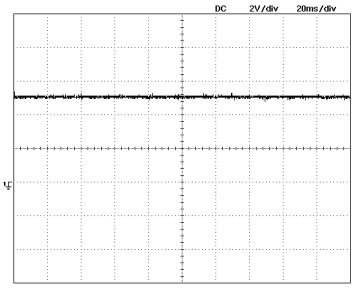
(31) I001 PIN 55



(32) I001 PIN 59



(33) I001 PIN 58



DC VOLTAGE TABLES

AVC3-U Audio/Video Board (Signal)

Symbol	pin No.	DC Voltage
I001	1	0.28
	2	1.33
	3	5.11
	4	5.09
	5	0.00
	6	0.00
	7	1.43
	8	0.00
	9	0.00
	10	3.26
	11	3.26
	12	3.28
	13	1.69
	14	0.00
	15	1.65
	16	3.28
	17	1.01
	18	3.27
	19	2.91
	20	0.00
	21	0.00
	22	0.00
	23	2.83
	24	0.00
	25	2.84
	26	1.58
	27	0.00
	28	5.11
	29	5.11
	30	5.11
	31	5.11
	32	0.00
	33	0.00
	34	0.00
	35	0.00
	36	0.00
	37	3.26
	38	0.00
	39	3.26
	40	3.26
	41	0.00
	42	2.52
	43	0.00
	44	0.00
	45	0.00
	46	0.00
	47	3.25
	48	3.25
	49	0.00
	50	0.00

Symbol	pin No.	DC Voltage
I001	51	3.16
	52	3.25
	53	3.25
	54	0.20
	55	3.25
	56	0.00
	57	3.25
	58	3.25
	59	3.12
	60	0.00
	61	3.81
	62	0.00
	63	3.81
	64	3.28
	65	0.00
	66	0.00
	67	0.00
	68	0.00
	69	0.00
	70	0.00
	71	0.00
	72	0.00
	73	3.18
	74	3.18
	75	3.24
	76	3.79
	77	3.72
	78	3.28
	79	3.26
	80	0.00
	81	3.27
	82	3.27
	83	0.00
	84	0.00
	85	3.19
	86	3.19
	87	3.25
	88	0.00
	89	0.00
	90	0.00
	91	0.00
	92	1.74
	93	1.47
	94	3.27
	95	0.51
	96	1.31
	97	2.05
	98	0.00
	99	5.11
	100	2.05

Symbol	pin No.	DC Voltage
I002	1	0.00
	2	0.00
	3	0.00
	4	3.28
I003	1	0.00
	2	0.00
	3	0.00
	4	0.00
	5	5.11
	6	5.11
	7	0.00
	8	5.11
I004	1	0.00
	2	0.00
	3	3.25
	4	3.25
	5	2.60
	6	0.00
	7	0.00
	8	0.00
	9	5.11
	10	5.11
	11	5.11
	12	0.00
	13	0.00
	14	0.00
	15	0.00
	16	5.11
I201	1	3.68
	2	5.24
	3	0.00
	4	0.00
	5	0.00
	6	0.00
	7	0.00
	8	0.00
	9	0.00
	10	0.00
	11	0.00
	12	5.23
	13	3.61
	14	5.24
	15	5.24
	16	9.02

Symbol	pin No.	DC Voltage
I202	1	3.28
	2	3.29
	3	0.00
	4	3.29
	5	3.29
	6	0.00
	7	3.29
	8	0.24
	9	0.00
	10	0.00
	11	0.00
	12	3.29
	13	0.00
	14	0.00
	15	0.00
	16	0.00
	17	3.29
	18	3.29
	19	0.00
	20	0.00
	21	0.00
	22	0.00
	23	0.00
	24	3.29
	25	0.00
	26	0.00
	27	0.00
	28	0.00
	29	0.00
	30	3.29
	31	3.29
	32	3.29
	33	3.29
	34	3.29
	35	3.29
	36	3.29
	37	3.29
	38	0.00
	39	0.00
	40	0.00
	41	0.00
	42	3.29
	43	3.29
	44	3.29

DC VOLTAGE TABLES

AVC3-U Audio/Video Board (Signal) (Cont.)

Symbol	pin No.	DC Voltage
I203	1	0.00
	2	0.00
	3	5.11
	4	0.00
	5	0.00
	6	5.09
	7	0.00
	8	0.00
	9	5.11
	10	0.00
	11	3.26
	12	0.00
	13	0.00
	14	5.07
	15	0.00
	16	0.00
	17	3.28
	18	0.00
	19	0.00
	20	5.11
I204	1	5.09
	2	5.09
	3	5.09
	4	5.09
	5	5.09
	6	0.00
	7	0.00
	8	0.00
	9	5.09
	10	5.09
	11	5.09
	12	5.11
	13	5.11
	14	5.11
	15	5.09
	16	5.11
I206	1	0.00
	2	3.25
	3	5.11
	4	3.25
	5	4.95
	6	3.25
	7	5.10
	8	0.00
	9	0.00
	10	0.00
	11	0.00
	12	0.00
	13	3.26
	14	5.11
	15	4.94
	16	4.99
	17	3.25
	18	5.11
	19	0.00
	20	5.11

Symbol	pin No.	DC Voltage
I207	1	0.00
	2	4.64
	3	4.98
	4	4.94
	5	0.13
	6	0.00
	7	4.86
	8	0.00
	9	0.00
	10	4.98
	11	4.98
	12	4.86
	13	0.00
	14	0.00
	15	4.94
	16	4.98
I208	1	0.00
	2	0.00
	3	0.00
	4	0.00
	5	3.29
	6	3.29
	7	0.00
	8	3.29

Symbol	pin No.	DC Voltage
Q001	E	0.00
	B	0.00
	C	0.46
Q002	E	0.00
	B	0.00
	C	5.11
Q101	E	0.00
	B	0.70
	C	0.00
Q102	E	0.00
	B	0.70
	C	0.00
Q103	E	0.00
	B	0.63
	C	0.00
Q104	E	0.00
	B	0.63
	C	0.00
Q202	E	0.00
	B	0.00
	C	0.00
Q203	E	0.00
	B	0.62
	C	0.00

Symbol	pin No.	DC Voltage
Q204	E	3.01
	B	2.43
	C	0.00
Q205	E	2.40
	B	3.01
	C	4.98
Q206	E	4.92
	B	4.62
	C	0.00
Q207	E	4.30
	B	4.92
	C	4.98
Q208	E	4.56
	B	5.19
	C	9.02
Q209	E	4.60
	B	5.23
	C	9.02
Q210	E	0.00
	B	0.70
	C	0.00
Q211	E	0.00
	B	0.70
	C	0.00
Q212	E	0.00
	B	0.33
	C	1.57
Q313	E	0.00
	B	0.00
	C	3.28
Q214	E	0.00
	B	0.00
	C	5.09
Q215	E	0.00
	B	0.10
	C	2.84
Q216	E	5.75
	B	5.86
	C	0.50
Q217	E	5.85
	B	5.22
	C	0.00
Q218	E	5.18
	B	4.90
	C	9.01
Q219	E	4.26
	B	3.83
	C	0.00
Q220	E	0.00
	B	0.10
	C	2.86
Q221	E	5.74
	B	5.86
	C	0.50
	E	5.85

Symbol	pin No.	DC Voltage
Q222	B	5.22
	C	0.00
	E	5.18
Q223	B	4.90
	C	9.01
	E	4.35
Q224	B	3.95
	C	0.00
	E	0.00
Q231	B	0.00
	C	5.11
	E	0.00
Q233	B	0.00
	C	1.08
	E	0.00
Q234	B	0.70
	C	0.00
	E	0.00
Q235	B	0.00
	C	1.08
	E	0.00
Q236	B	0.70
	C	0.00

Symbol	pin No.	DC Voltage
Q241	E	0.00
	B	0.10
	C	3.44
Q242	E	0.00
	B	0.10
	C	3.43
Q246	E	0.00
	B	0.00
	C	5.12
Q247	E	0.00
	B	0.64
	C	0.00
Q251	E	0.00
	B	0.56
	C	1.00
Q252	E	0.00
	B	0.74
	C	0.00
Q253	E	0.00
	B	0.00
	C	4.87
Q254	E	0.10
	B	0.56
	C	1.43
	E	4.51

DC VOLTAGE TABLES

AVC3-U Audio/Video Board (Sound, Power)

Symbol	pin No.	DC Voltage
Q403	B	5.11
	C	8.99
Q403A	E	4.51
	B	5.11
	C	8.99
Q404	E	0.00
	B	0.60
	C	0.00
Q405	E	0.00
	B	0.60
	C	0.00
Q406	E	3.77
	B	4.22
	C	8.99
Q406A	E	3.77
	B	4.22
	C	8.99
Q407	E	0.00
	B	0.00
	C	0.00

Symbol	pin No.	DC Voltage
Q407A	E	0.00
	B	0.00
	C	0.00
Q408	E	3.90
	B	4.53
	C	8.99
Q408A	E	3.90
	B	4.53
	C	8.99
Q409	E	0.00
	B	0.00
	C	0.00
Q409A	E	0.00
	B	0.00
	C	0.00
Q411	E	3.97
	B	4.53
	C	8.39
Q411A	E	3.95
	B	4.53
	C	8.38
Q412	E	8.99
	B	8.39
	C	4.79
Q412A	E	8.99
	B	8.39
	C	4.80
Q413	E	3.09
	B	2.48
	C	0.00
Q414	E	0.00
	B	0.00
	C	5.47
Q415	E	5.02
	B	5.63
	C	4.10
Q416	E	5.02
	B	0.63
	C	0.00

Symbol	pin No.	DC Voltage
I401	1	4.43
	2	4.51
	3	4.43
	4	0.00
	5	0.25
	6	0.00
	7	0.00
	8	0.00
	9	0.00
	10	0.00
	11	0.00
	12	4.43
	13	4.43
	14	0.00
	15	4.49
	16	8.99
I402	1	4.49
	2	1.37
	3	4.53
	4	8.99
	5	4.50
	6	0.00
	7	3.48
	8	4.53
	9	5.48
	10	4.49
I403	1	0.00
	2	2.84
	3	5.20
	4	2.88
	5	0.00
	6	0.00
	7	2.88
	8	0.00
	9	5.73
	10	2.88
	11	0.00
	12	3.07
	13	2.88
	14	5.20
	15	2.84
	16	2.89

Symbol	pin No.	DC Voltage
I904	1	3.94
	2	0.00
	3	1.28
	4	2.48
	5	3.25
I905	1	5.67
	2	4.93
	3	5.67
	4	3.92
	5	0.00
	6	0.00
	7	4.99
	8	4.99
I906	1	5.65
	2	4.90
	3	5.65
	4	3.92
	5	0.00
	6	0.00
	7	4.97
	8	4.97
I907	1	3.93
	2	9.83
	3	0.00
	4	9.00
	5	9.00
I908	1	3.93
	2	9.83
	3	0.00
	4	9.00
	5	9.00
I909	1	3.93
	2	9.83
	3	0.00
	4	9.00
	5	9.00
I910	1	5.11
	2	4.44
	3	5.11
	4	5.11
	5	0.00
	6	0.00
	7	3.29
	8	3.29

DC VOLTAGE TABLES

AVC3-U Audio/Video Board (DVI)

Symbol	pin No.	DC Voltage
IJ01	1	3.29
	2	3.29
	3	3.29
	4	0.00
	5	3.29
	6	3.29
	7	3.29
	8	3.29
	9	3.29
	10	0.00
	11	3.29
	12	0.00
	13	3.29
	14	3.29
	15	3.29
	16	0.00
	17	3.29
	18	0.00
	19	0.00
	20	3.29
	21	0.00
	22	3.29
	23	0.00
	24	3.29
	25	0.00
	26	0.00
	27	3.29
	28	0.00
	29	0.00
	30	3.29
	31	0.00
	32	3.29
	33	0.00
	34	0.00
	35	0.00
	36	0.00
	37	3.30
	38	3.30
	39	3.30
	40	0.00
	41	3.30
	42	3.30
	43	0.00
	44	0.00
	45	0.00
	46	3.30
	47	0.00
	48	3.29
	49	3.29
	50	0.00
	51	3.29
	52	3.29

Symbol	pin No.	DC Voltage
IJ04	1	0.00
	2	0.00
	3	0.00
	4	0.00
	5	4.66
	6	4.66
	7	4.68
	8	4.68
IJ05	1	5.67
	2	5.03
	3	6.67
	4	5.67
	5	0.00
	6	0.00
	7	4.99
	8	4.99
IJ06	1	4.99
	2	4.40
	3	4.99
	4	4.99
	5	0.00
	6	0.00
	7	3.30
	8	3.30
QJ01	E	0.65
	B	0.00
	C	0.00
QJ05	E	0.65
	B	0.00
	C	0.00
QJ09	E	0.65
	B	0.00
	C	0.00
QJ13	E	0.00
	B	0.00
	C	0.65
QJ14	E	0.00
	B	0.00
	C	1.55

Symbol	pin No.	DC Voltage
IJA3	1	0.00
	2	0.00
	3	0.00
	4	0.00
	5	0.00
	6	0.00
	7	0.00
	8	0.00
QJA0	E	0.00
	B	0.00
	C	0.20
QJA4	E	0.20
	B	0.00
	C	0.00
QJA8	E	0.20
	B	0.00
	C	0.00
QJC2	E	0.00
	B	0.00
	C	0.20

DC VOLTAGE TABLES

AVC3-U Audio/Video Board (Input)

Symbol	pin No.	DC Voltage
IV01	1	0.00
	2	2.20
	3	2.76
	4	2.44
	5	1.24
	6	0.00
	7	0.00
	8	4.96
	9	0.00
	10	2.25
	11	2.09
	12	3.35
	13	3.79
	14	1.43
	15	3.71
	16	4.91
IX01	1	3.97
	2	4.41
	3	3.92
	4	4.42
	5	4.36
	6	0.10
	7	0.00
	8	3.89
	9	4.40
	10	3.89
	11	4.40
	12	4.36
	13	0.10
	14	4.85
	15	3.88
	16	4.40
	17	3.88
	18	4.40
	19	4.36
	20	0.10
	21	4.86
	22	3.88
	23	4.40
	24	3.88
	25	4.40
	26	4.36
	27	0.10
	28	4.85
	29	4.40
	30	4.37
	31	4.40
	32	0.00
	33	5.00
	34	4.97
	35	0.00
	36	0.00
	37	4.35
	38	4.43
	39	3.64
	40	4.43
	41	4.56
	42	8.87

Symbol	pin No.	DC Voltage
IX01	43	8.87
	44	4.43
	45	4.46
	46	3.63
	47	4.35
	48	0.10
	49	5.03
	50	4.42
	51	4.36
	52	4.43
	53	4.57
	54	4.43
	55	3.64
	56	4.32
	57	0.00
	58	4.28
	59	4.40
	60	5.20
	61	4.40
	62	4.40
	63	4.87
	64	4.40
IX02	1	0.67
	2	0.50
	3	0.69
	4	8.82
	5	4.87
	6	0.00
	7	4.60
	8	0.00
	9	4.63
	10	4.60
	11	0.80
	12	0.60
	13	0.79
	14	8.82
	15	4.93
	16	0.00
	17	4.65
	18	0.00
	19	4.66
	20	4.84
	21	1.36
	22	1.17
	23	1.36
	24	0.00
	25	0.00
	26	4.85
	27	4.91
	28	4.95
	29	0.00
	30	0.00
	31	0.00
	32	4.57
	33	0.00
	34	5.28
	35	0.00
	36	5.12

Symbol	pin No.	DC Voltage
IX02	37	0.00
	38	6.26
	39	8.84
	40	4.16
	41	0.00
	42	4.21
	43	0.00
	44	4.22
	45	8.81
	46	4.18
	47	0.00
	48	4.18
	49	0.00
	50	4.28
	51	8.82
	52	8.82
	53	5.14
	54	0.00
	55	4.85
	56	0.00
	57	4.85
	58	8.82
	59	5.14
	60	0.00
	61	4.85
	62	0.00
	63	4.85
	64	4.95
IX03	1	2.90
	2	0.00
	3	2.08
	4	0.00
	5	2.08
	6	0.97
	7	0.00
	8	1.72
	9	1.75
	10	0.00
	11	2.84
	12	0.00
	13	4.89
	14	2.90
	15	0.00
	16	2.84
QV01	E	3.08
	B	3.71
	C	8.95
QV02	E	2.22
	B	2.82
	C	8.32
QV03	E	8.95
	B	8.32
	C	4.92
QV04	E	4.30
	B	4.93
	C	4.95

Symbol	pin No.	DC Voltage
QV05	E	3.20
	B	3.79
	C	8.97
QV06	E	2.20
	B	2.80
	C	8.32
QV07	E	8.97
	B	8.34
	C	5.79
QV08	E	5.16
	B	5.79
	C	8.97
QV09	E	6.15
	B	6.77
	C	8.97
QV10	E	2.98
	B	2.36
	C	0.00
QX01	E	0.00
	B	0.00
	C	0.00
QX02	E	0.00
	B	0.00
	C	0.00
QX03	E	3.86
	B	4.53
	C	8.89
QX04	E	2.97
	B	3.63
	C	8.89
QX05	E	3.68
	B	4.34
	C	8.89
QX08	E	0.00
	B	0.42
	C	3.30
QX12	E	3.85
	B	4.47
	C	8.87
QX13	E	3.85
	B	4.47
	C	8.87
QX14	E	3.73
	B	4.35
	C	8.87
QX15	E	3.69
	B	4.31
	C	8.87
QX16	E	3.67
	B	4.28
	C	8.87
QX17	E	3.95
	B	4.56
	C	8.87
QX21	E	2.37
	B	1.74
	C	0.00

DC VOLTAGE TABLES

AVC3-U Audio/Video Board (Input) (CONT.)

Symbol	pin No.	DC Voltage
IX04	1	2.90
	2	0.00
	3	2.08
	4	0.00
	5	2.08
	6	1.44
	7	0.00
	8	2.20
	9	1.80
	10	0.00
	11	2.84
	12	0.00
	13	4.89
	14	2.90
	15	0.00
	16	2.84

Symbol	pin No.	DC Voltage
QX22	E	2.34
	B	1.70
	C	0.00
QX23	E	2.32
	B	1.69
	C	0.00
QX24	E	2.35
	B	1.72
	C	0.00
QX25	E	2.35
	B	1.72
	C	0.00
QX26	E	2.33
	B	1.70
	C	0.00
QX30	E	3.61
	B	4.22
	C	8.82
QX31	E	3.66
	B	4.28
	C	8.82
QX37	E	2.37
	B	1.77
	C	0.00
QX38	E	4.25
	B	3.67
	C	0.00

DC VOLTAGE TABLES

AVC3-U Video

Symbol	pin No.	DC Voltage
IW01	1	0.00
	2	0.00
	3	0.00
	4	0.00
	5	0.00
	6	0.00
	7	0.00
	8	0.00
	9	0.00
	10	0.60
	11	3.25
	12	3.25
	13	0.00
	14	0.00
	15	0.00
	16	0.00
	17	0.00
	18	0.00
	19	0.00
	20	0.00
	21	0.00
	22	0.00
	23	0.00
	24	0.00
	25	0.00
	26	0.00
	27	0.00
	28	0.00
	29	0.00
	30	0.00
	31	2.43
	32	2.43
	33	0.00
	34	0.00
	35	0.00
	36	0.00
	37	0.00
	38	3.25
	39	0.00
	40	0.00
	41	0.00
	42	0.00
	43	0.00
	44	0.00
	45	2.42
	46	2.43
	47	1.15
	48	1.15
	49	0.00
	50	1.67
	51	0.00
	52	1.24
	53	2.43
	54	0.00
	55	0.00
	56	0.00
	57	3.25
	58	0.00

Symbol	pin No.	DC Voltage
IW01	59	4.92
	60	4.84
	61	0.13
	62	0.13
	63	0.00
	64	2.42
	65	0.00
	66	0.00
	67	0.00
	68	0.00
	69	0.00
	70	0.00
	71	0.00
	72	0.00
	73	0.00
	74	0.00
	75	0.00
	76	2.91
	77	0.00
	78	0.00
	79	0.00
	80	0.00
	81	2.41
	82	1.02
	83	1.44
	84	1.44
	85	1.02
	86	0.00
	87	0.00
	88	1.08
	89	0.64
	90	0.74
	91	1.21
	92	2.41
	93	2.41
	94	0.00
	95	0.00
	96	1.07
	97	0.00
	98	0.00
	99	0.00
	100	2.42
IW02	1	0.00
	2	0.00
	3	0.00
	4	3.25
	5	3.25
IZ01	1	8.89
	2	2.51
	3	4.12
	4	2.50
	5	0.00
	6	2.35
	7	0.00
	8	4.74
	9	6.18
	10	5.02
	11	0.00

Symbol	pin No.	DC Voltage
IZ01	12	8.90
	13	4.84
	14	4.90
	15	0.00
	16	2.41
	17	4.58
	18	0.00
	19	2.42
	20	2.25
	21	3.89
	22	3.65
	23	3.58
	24	4.13
	25	4.84
	26	2.89
	27	0.00
	28	2.21
	29	2.21
	30	2.35
	1	8.89
	2	2.51
	3	4.12
	4	1.95
	5	0.00
	6	2.35
	7	0.00
	8	4.66
	9	6.19
	10	5.02
	11	0.00
	12	0.00
	13	4.80
	14	4.89
	15	0.00
	16	2.41
	17	4.58
	18	0.00
	19	2.41
	20	2.26
	21	3.89
	22	3.61
	23	3.61
	24	4.00
	25	4.84
	26	2.88
	27	0.00
	28	2.21
	29	2.21
	30	2.35
IZ03	1	5.95
	2	6.23
	3	5.95
	4	0.10
	5	0.00
	6	5.94
	7	5.95
	8	5.93
	9	0.00

Symbol	pin No.	DC Voltage
IZ03	10	0.00
	11	0.00
	12	8.77
	13	4.55
	14	4.84
	15	4.56
	16	2.87
IZ04	1	5.18
	2	0.00
	3	4.45
	4	0.00
	5	4.45
	6	3.38
	7	0.00
	8	4.05
	9	4.05
	10	0.00
	11	5.24
	12	3.22
	13	8.77
	14	5.18
	15	0.00
	16	5.24

DC VOLTAGE TABLES

AVC3-U Video (Cont.)

Symbol	pin No.	DC Voltage
QZ01	E	4.77
	B	4.13
	C	0.00
QZ02	E	4.22
	B	3.58
	C	0.00
QZ03	E	4.29
	B	3.65
	C	0.00
QZ04	E	5.60
	B	6.25
	C	8.89
QZ05	E	3.80
	B	3.93
	C	8.89
QZ06	E	5.38
	B	6.02
	C	8.89
QZ07	E	0.00
	B	0.00
	C	6.02
QZ11	E	3.52
	B	2.90
	C	0.00
QZ12	E	3.51
	B	2.90
	C	0.00
QZ13	E	3.61
	B	4.25
	C	8.90
QZ14	E	3.75
	B	3.93
	C	8.90
QZ15	E	5.35
	B	5.99
	C	8.90
QZ16	E	0.00
	B	0.00
	C	5.99
QZ21	E	3.95
	B	4.58
	C	4.85
QZ22	E	3.94
	B	4.58
	C	4.85
QZ27	E	0.00
	B	0.00
	C	4.98
QZ28	E	0.00
	B	0.00
	C	4.99
QZ30	E	2.21
	B	2.82
	C	8.78
QZ32	E	1.37
	B	1.97
	C	8.78

Symbol	pin No.	DC Voltage
QZ34	E	1.28
	B	1.88
	C	8.78
QZ35	1	8.13
	2	8.13
	3	8.76
	4	5.21
	5	3.49
	6	2.96
QZ36	E	3.78
	B	3.93
	C	8.90
QZ7	1	8.14
	2	8.14
	3	8.78
	4	5.77
	5	3.49
	6	2.92
QZ38	E	3.81
	B	4.44
	C	8.77
QZ39	1	8.16
	2	8.16
	3	8.78
	4	3.92
	5	3.47
	6	2.92
QZ40	E	3.81
	B	4.44
	C	8.78
QZ41	E	0.67
	B	0.00
	C	0.00
QZ42	E	0.67
	B	0.00
	C	0.00
QZ43	E	0.67
	B	0.00
	C	0.00
QZ46	E	0.00
	B	0.52
	C	0.10
QZ47	E	4.52
	B	3.86
	C	0.00
QZ48	E	6.33
	B	5.70
	C	0.00
QZ49	E	5.84
	B	5.22
	C	0.00
QZ50	E	4.23
	B	3.61
	C	0.00
QZ51	E	4.24
	B	3.61
	C	0.00
QZ52	1	8.78
	2	3.87
	3	4.49
	4	0.00
	5	2.43
	6	1.81

Symbol	pin No.	DC Voltage
QW05	E	2.68
	B	2.04
	C	0.00
QW06	E	2.09
	B	2.32
	C	3.13
QW07	E	3.24
	B	3.13
	C	0.00
QW08	E	0.00
	B	0.00
	C	2.91
QW09	E	2.06
	B	1.44
	C	0.00
QW10	E	1.22
	B	1.82
	C	8.34
QW11	E	8.96
	B	8.34
	C	2.79
QW12	E	2.17
	B	2.79
	C	8.96
QW13	E	8.97
	B	8.35
	C	6.33

Symbol	pin No.	DC Voltage
QW15	E	8.97
	B	8.35
	C	6.35

DC VOLTAGE TABLES

AVC3-U Video and Power

Symbol	pin No.	DC Voltage
QZ01	E	4.77
	B	4.13
	C	0.00
QZ02	E	4.22
	B	3.58
	C	0.00
QZ03	E	4.29
	B	3.65
	C	0.00
QZ04	E	5.60
	B	6.25
	C	8.89
QZ05	E	3.80
	B	3.93
	C	8.89
QZ06	E	5.38
	B	6.02
	C	8.89
QZ07	E	0.00
	B	0.00
	C	6.02
QZ11	E	3.52
	B	2.90
	C	0.00
QZ12	E	3.51
	B	2.90
	C	0.00
QZ13	E	3.61
	B	4.25
	C	8.90
QZ14	E	3.75
	B	3.93
	C	8.90
QZ15	E	5.35
	B	5.99
	C	8.90
QZ16	E	0.00
	B	0.00
	C	5.99
QZ21	E	3.95
	B	4.58
	C	4.85
QZ22	E	3.94
	B	4.58
	C	4.85
QZ27	E	0.00
	B	0.00
	C	4.98
QZ28	E	0.00
	B	0.00
	C	4.99
QZ30	E	2.21
	B	2.82
	C	8.78
QZ32	E	1.37
	B	1.97
	C	8.78

Symbol	pin No.	DC Voltage
QZ34	E	1.28
	B	1.88
	C	8.78
QZ35	1	8.13
	2	8.13
	3	8.76
	4	5.21
	5	3.49
QZ36	6	2.96
	E	3.78
	B	3.93
	C	8.90
QZ7	1	8.14
	2	8.14
	3	8.78
	4	5.77
	5	3.49
	6	2.92
QZ38	E	3.81
	B	4.44
	C	8.77
QZ39	1	8.16
	2	8.16
	3	8.78
	4	3.92
	5	3.47
	6	2.92
QZ40	E	3.81
	B	4.44
	C	8.78
QZ41	E	0.67
	B	0.00
	C	0.00
QZ42	E	0.67
	B	0.00
	C	0.00
QZ43	E	0.67
	B	0.00
	C	0.00
QZ46	E	0.00
	B	0.52
	C	0.10
QZ47	E	4.52
	B	3.86
	C	0.00
QZ48	E	6.33
	B	5.70
	C	0.00
QZ49	E	5.84
	B	5.22
	C	0.00
QZ50	E	4.23
	B	3.61
	C	0.00
QZ51	E	4.24
	B	3.61
	C	0.00
QZ52	1	8.78
	2	3.87
	3	4.49
	4	0.00
	5	2.43
	6	1.81

Symbol	pin No.	DC Voltage
QW05	E	2.68
	B	2.04
	C	0.00
QW06	E	2.09
	B	2.32
	C	3.13
QW07	E	3.24
	B	3.13
	C	0.00
QW08	E	0.00
	B	0.00
	C	2.91
QW09	E	2.06
	B	1.44
	C	0.00
QW10	E	1.22
	B	1.82
	C	8.34
QW11	E	8.96
	B	8.34
	C	2.79
QW12	E	2.17
	B	2.79
	C	8.96
QW13	E	8.97
	B	8.35
	C	6.33
QW14	E	
	B	
	C	
QW15	E	8.97
	B	8.35
	C	6.35

Power PWB

Symbol	pin No.	DC Voltage
I901	1	1.96
	2	0.00
	3	122.40
	4	15.09
	5	0.00
I902	1	9.05
	2	8.08
	3	4.02
	4	15.09
I905	1	4.77
	2	6.91
	3	1.69
	4	4.95
I930	1	0.00
	2	0.00
	3	0.00
	4	5.57
	5	3.48
	6	0.00
	7	9.47
	8	9.56
	9	0.00
	10	17.34
	11	17.34
	12	15.28
	13	0.00
	14	0.88
	15	1.00
	16	0.00
I931	1	0.00
	2	5.64
	3	3.45
	4	1.76
	5	17.36
	6	7.89
	7	1.00
	8	1.00
I932	1	5.68
	2	5.00
	3	5.68
	4	5.68
	5	0.00
	6	0.00
	7	4.97
	8	4.97
I933	1	17.36
	2	5.28
	3	0.00
	4	3.27
	5	2.33
Q930	D	0.80
	G	0.22
	E	0.00
Q931	E	0.00
	B	0.00
	C	1.35
Q932	E	4.61
	B	4.61
	C	-0.70
Q933	K	0.00
	D	5.15
	G	0.00
Q934	E	5.93
	B	6.55
	C	8.11
Q936	E	0.00
	B	0.70
	C	0.00
Q937	E	0.00
	B	0.00
	C	5.65
Q938	E	0.00
	B	0.00
	C	2.33

DC VOLTAGE TABLES

PT3-E/G Signal

Symbol	Pin No.	DC Voltage
I001	1	5.1
	2	1.7
	3	2.1
	4	4.9
	5	5.2
	6	5.2
	7	4.9
	8	5.1
	9	0.0
	10	5.0
	11	0.0
	12	0.0
	13	0.0
	14	5.2
	15	0.0
	16	0.0
	17	0.0
	18	0.0
	19	0.0
	20	0.0
	21	0.0
	22	0.0
	23	0.0
	24	3.3
	25	0.7
	26	3.3
	27	0.0
	28	0.1
	29	5.2
	30	5.2
	31	0.0
	32	4.7
	33	0.0
	34	0.1
	35	5.2
	36	3.5
	37	0.0
	38	0.0
	39	3.3
	40	0.0

Symbol	Pin No.	DC Voltage
	41	0.0
	42	0.0
	43	0.0
	44	5.2
	45	5.2
	46	5.2
	47	5.2
	48	5.2
	49	0.0
	50	0.0
	51	5.2
	52	0.0
	53	0.0
	54	5.0
	55	5.0
	56	0.0
	57	0.0
	58	5.2
	59	5.2
	60	5.2
	61	5.2
	62	5.2
	63	0.0
	64	5.2
	65	3.3
	66	5.1
	67	5.0
	68	5.1
	69	5.1
	70	0.0
	71	0.0
	72	0.0
	73	0.0
	74	0.1
	75	5.2
	76	0.1
	77	0.1
	78	5.1
	79	5.1
	80	0.0

Symbol	Pin No.	DC Voltage
I201	1	0.0
	2	4.9
	3	0.0
	4	4.9
	5	0.0
	6	0
	7	0
	8	1.3
	9	0
	10	0
	11	0
	12	1.6
	13	0
	14	3.3
	15	0
	16	3.3
	17	0
	18	3.3
	19	0
	20	3.3

Symbol	Pin No.	DC Voltage
I002	1	0.0
	2	0.0
	3	0.0
	4	0.0
	5	5.2
	6	5.2
	7	0.0
	8	5.2
I003	1	0.0
	2	0.0
	3	0.0
	4	5.1
	5	5.2

Symbol	Pin No.	DC Voltage
I231	1	3.3
	2	1.3
	3	1.6
	4	1.5
	5	0.0
	6	1.5
	7	1.5
	8	0.0
	9	1.5
	10	1.5
	11	1.4
	12	0.0
	13	0.0
	14	1.6
	15	1.5
	16	1.5
	17	0.0
	18	1.9
	19	1.6
	20	0.0
	21	0.0
	22	1.5
	23	1.4
	24	1.6
	25	1.6
	26	3.3
	27	3.2
	28	3.3
	29	0.0
	30	2.5
	31	1.7
	32	3.3
	33	0.0
	34	0.0
	35	0.0
	36	0.0
	37	1.2
	38	1.3
	39	1.3
	40	1.3
	41	1.3
	42	1.2
	43	0.0
	44	2.3
	45	1.0
	46	1.0
	47	1.0
	48	0
	49	1.2
	50	1.6
	51	1.6
	52	1.5
	53	0
	54	1.7
	55	1.7
	56	1.6

DC VOLTAGE TABLES

PT3-E/G Signal (Cont.)

Symbol	Pin No.	DC Voltage
I600	1	3.4
	2	3.4
	3	3.3
	4	0.0
	5	0.0
	6	3.2
	7	3.3
	8	3.3
	9	3.3
	10	1.6
	11	1.6
	12	1.6
	13	1.6
	14	1.3
	15	1.5
	16	1.4
	17	1.9
	18	3.3
	19	0.0
	20	1.6
	21	1.3
	22	1.3
	23	1.2
	24	1.2
	25	1.2

Symbol	Pin No.	DC Voltage
I600	26	1.3
	27	1.5
	28	0.0
	29	3.3
	30	1.5
	31	1.5
	32	1.5
	33	1.5
	34	1.3
	35	1.1
	36	1.6
	37	1.3
	38	3.2
	39	0.0
	40	0.0
	41	3.4
	42	0.0
	43	3.3
	44	1.7
	45	0.0
	46	2.4
	47	3.3
	48	3.3
	49	0.0
	50	0.0
	51	0.0
	52	0.0
	53	0.0
	54	0.0
	55	0.0
	56	0.0
	57	3.3
	58	0.0
	59	0.0
	60	0.0
	61	0.0
	62	0.0
	63	0.0
	64	0.0
	65	0.0
	66	0.0
	67	3.2
	68	0.0
	69	0.0
	70	0.0
	71	0.0
	72	0.0
	73	0.0
	74	0.0
	75	0.0

DC VOLTAGE TABLES

PT3-E/G Signal (Cont.)

Symbol	Pin No.	DC Voltage
I600	76	0.0
	77	0.0
	78	3.3
	79	0.0
	80	3.0
	81	3.0
	82	3.2
	83	0.0
	84	3.2
	85	3.0
	86	3.0
	87	0.0
	88	0.0
	89	0.0
	90	3.0
	91	3.0
	92	0.0
	93	3.0
	94	3.0
	95	3.2
	96	3.1
	97	3.3
	98	0.0
	99	0.0
	100	3.3
I602	1	7.2
	2	9.9
	3	2.6
	4	5.0
	5	-4.6
	6	-9.4
	7	-9.4
	8	0.0
	9	5.2
	10	4.3
	11	5.2
	12	5.0
	13	-6.7
	14	-8.4
	15	0.0
	16	5.2
I603	1	0.0
	2	0.0
	3	0.0
	4	3.4
	5	3.4

Symbol	Pin No.	DC Voltage
IC401	1	6.0
	2	0.0
	3	0.0
	4	0.0
	5	6.0
	6	0.0
	7	6.1
	8	6.1
	9	0.0
	10	6.0
	11	1.1
	12	0.0
	13	5.0
	14	5.0
	15	0.0
	16	12.0
	17	0.0
	18	4.9
	19	5.3
	20	5.5
	21	1.8
	22	6.0
	23	6.0
	24	6.0
	25	6.0
	26	6.0
	27	6.0
	28	0.0
	29	0.0
	30	6.0
IC402	1	6.0
	2	6.0
	3	6.0
	4	6.0
	5	6.0
	6	6.0
	7	6.0
	8	6.0
	9	6.0
	10	6.0
	11	6.0
	12	6.0
	13	0.0
	14	0.0
	15	0.0

Symbol	Pin No.	DC Voltage
IC402	16	12.0
	17	6.0
	18	6.0
	19	0.0
	20	12.0
	21	4.3
	22	6.2
	23	6.2
	24	6.2
	25	6.2
	26	6.2
	27	6.2
	28	6.2
	29	6.2
	30	6.2
IC403	1	6.1
	2	6.1
	3	6.1
	4	6.1
	5	6.1
	6	0.0
	7	0.0
	8	0.0
	9	4.9
	10	0.0
	11	0.1
	12	0.1
	13	4.2
	14	0.1
	15	4.2
	16	7.6
IC404	1	0.0
	2	5.0
	3	0.0
	4	0.0
	5	0.0
	6	0.0
	7	0.0
	8	5.0
	9	2.5
	10	2.5
	11	0.0
	12	2.5
	13	2.5
	14	2.4
	15	0.0
	16	0.0

Symbol	Pin No.	DC Voltage
IC404	17	0.0
	18	0.0
	19	0.0
	20	0.0
	21	14.2
	22	14.2
	23	0.0
	24	14.2
	25	14.2
	26	0.0
	27	14.2
	28	0.0
	29	22.0
	30	5.1
	31	16.8
	32	6.8
Q001	B	0.9
	C	0.1
	E	0.0
Q005	B	4.4
	C	5.0
	E	5.1
Q006	B	5.1
	C	0.1
	E	5.1
Q201	S	0.7
	D	0.0
	G	0.0
Q202	S	0.0
	D	0.7
	G	0.0
Q203	B	3.3
	C	4.8
	E	3.2
Q204	B	3.2
	C	4.1
	E	3.2

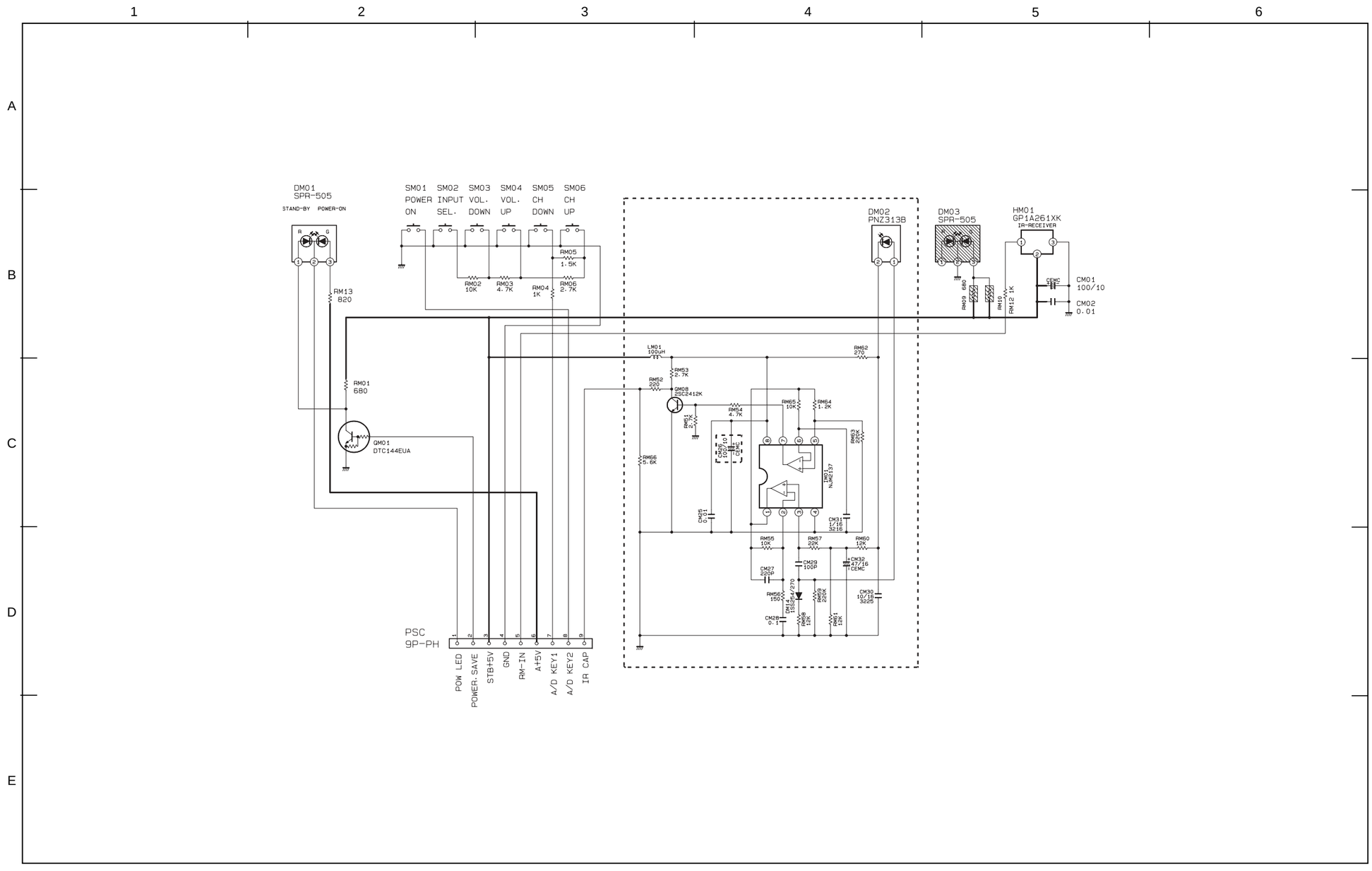
DC VOLTAGE TABLES

PT3-E/G Signal (Cont.)

Symbol	Pin No.	DC Voltage
Q401	B	0.7
	C	0.7
	E	0.0
Q402	B	1.3
	C	0.7
	E	0.7
Q403	B	0.0
	C	0.0
	E	0.0
Q404	B	0.0
	C	0.0
	E	0.0
Q405	B	0.0
	C	0.0
	E	0.0
Q406	B	5.0
	C	0.0
	E	0.0
Q407	B	-0.1
	C	0.0
	E	0.0
Q408	B	0.0
	C	1.3
	E	0.0
Q501	B	0.7
	C	0.1
	E	0.0
Q504	B	9.9
	C	0.0
	E	0.0
Q600	S	3.3
	D	5.0
	G	3.4
Q601	S	3.3
	D	5.0
	G	3.4
Q602	1	0.0
	2	0.1
	3	0.1
	4	0.0
	5	0.7
	6	3.9

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM



- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U Control

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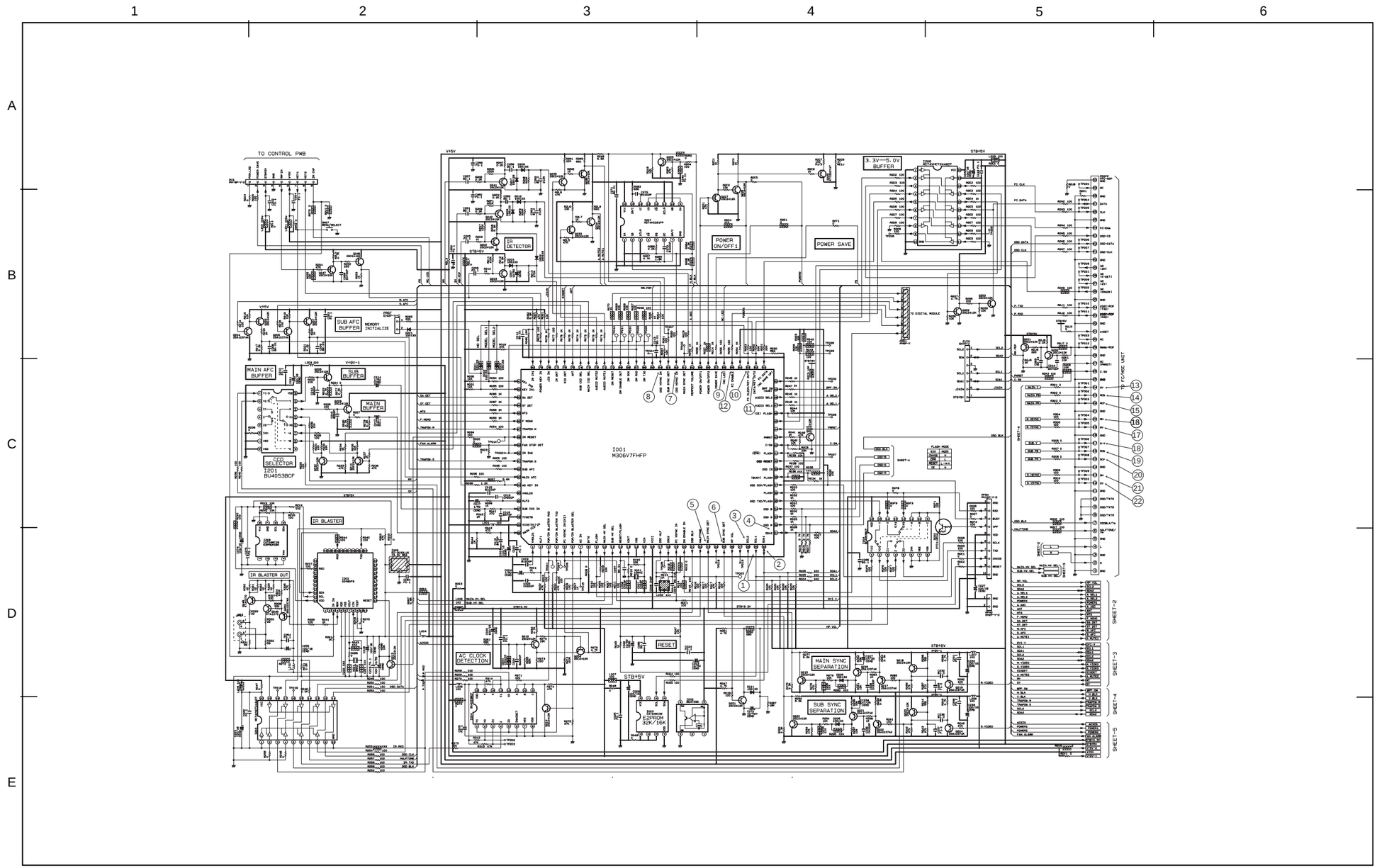
BASIC CIRCUIT DIAGRAM



- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U MPU

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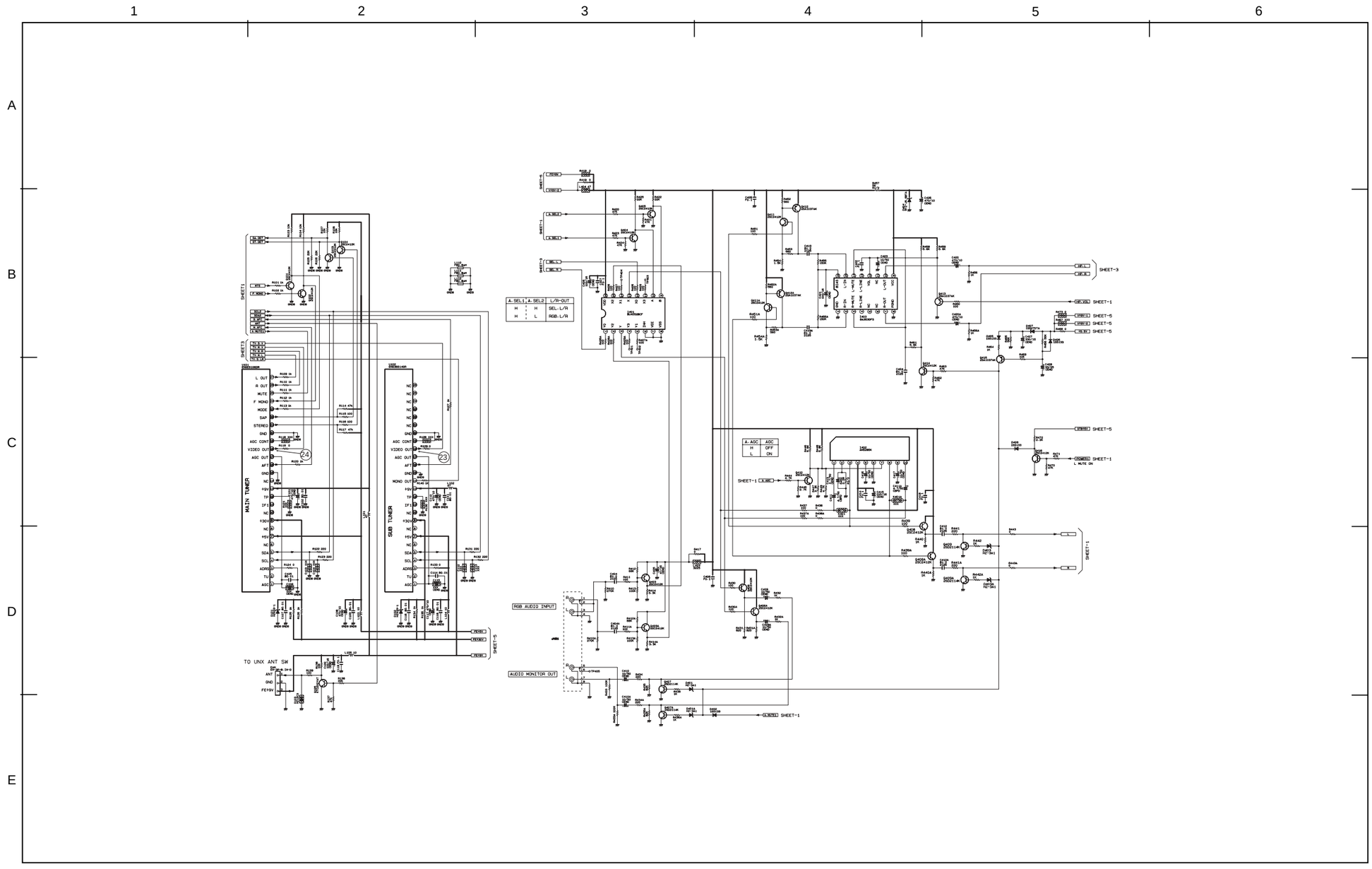
BASIC CIRCUIT DIAGRAM

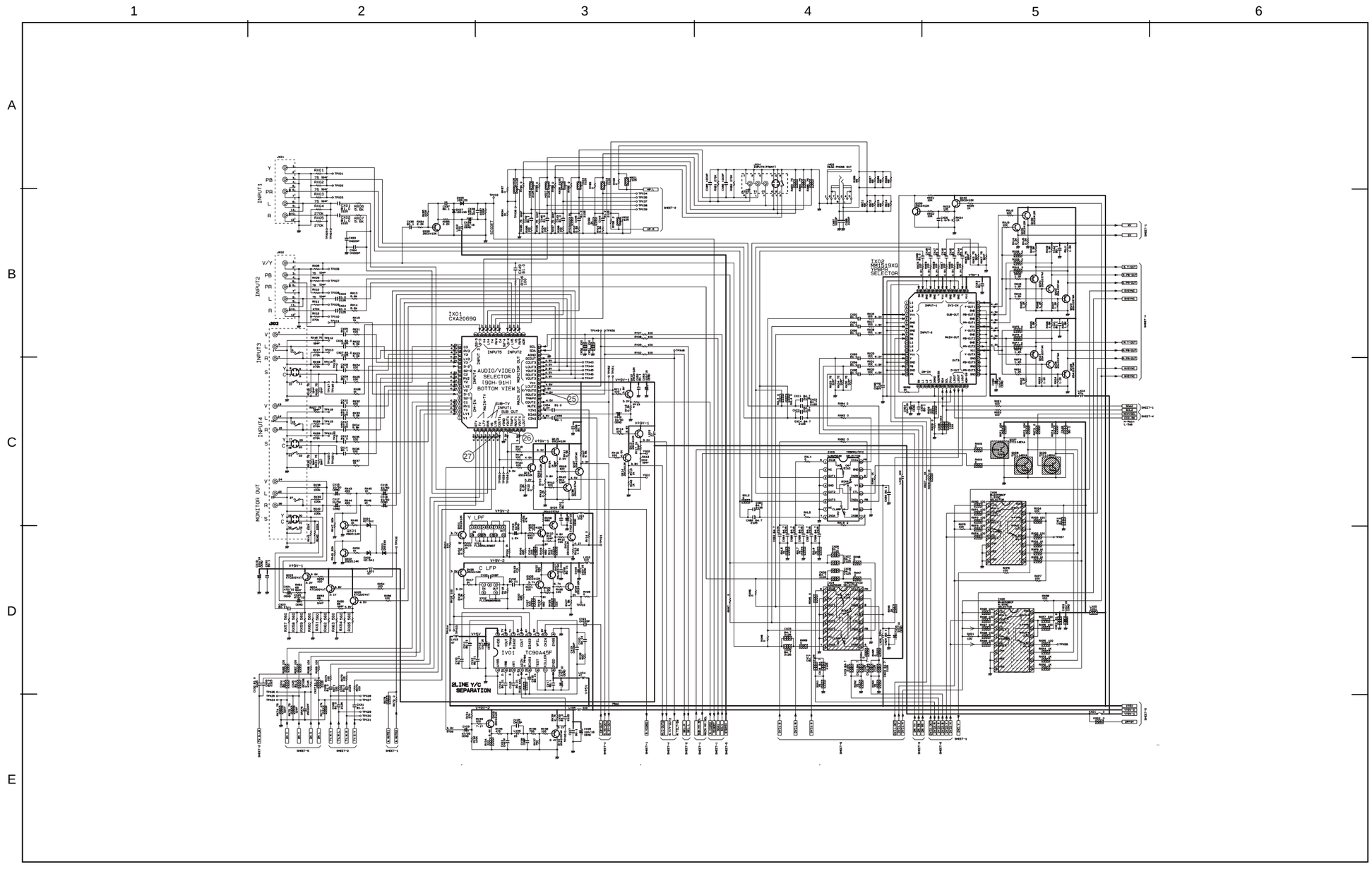


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U Tuner/Audio

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

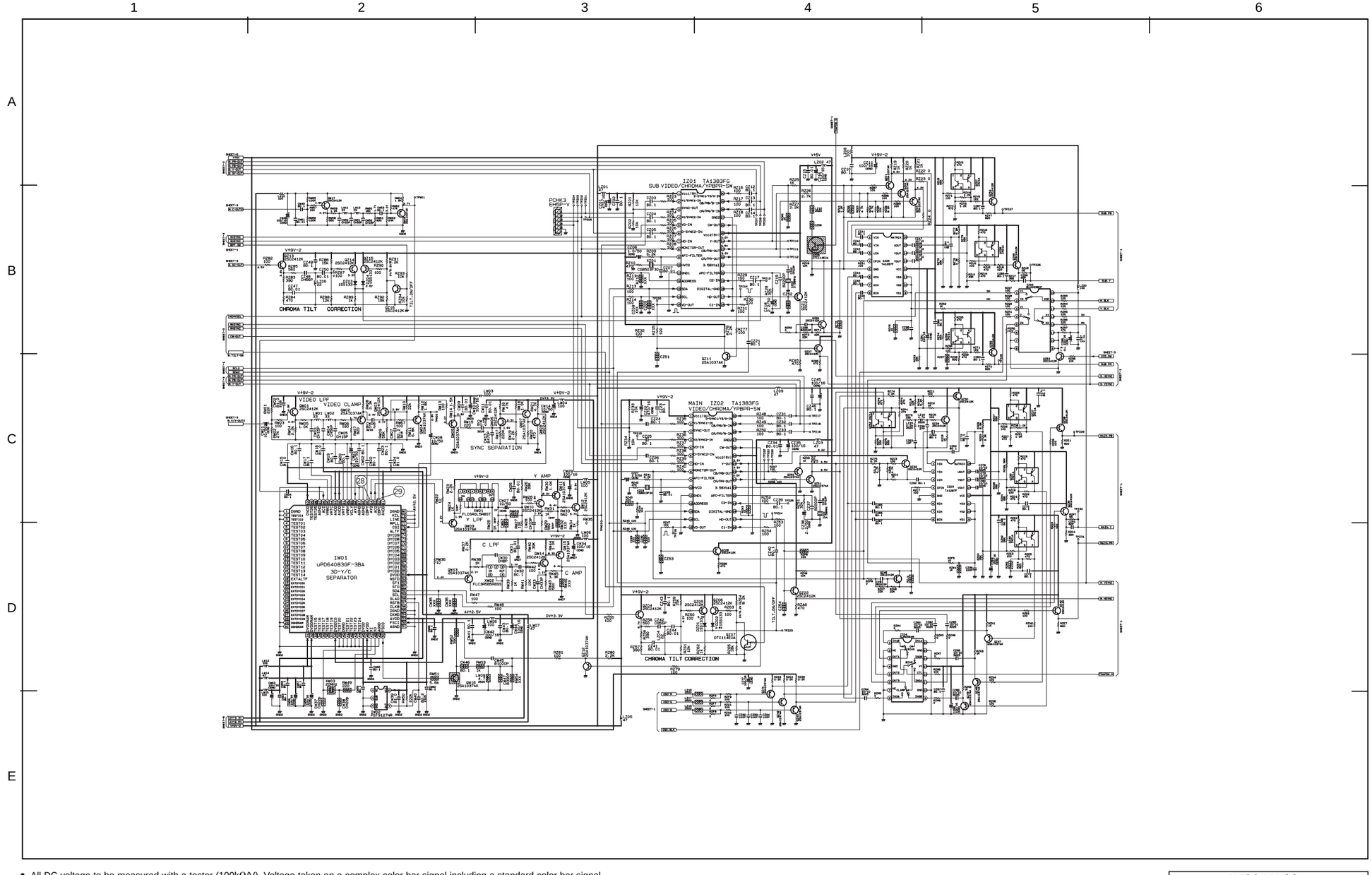


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U Input

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

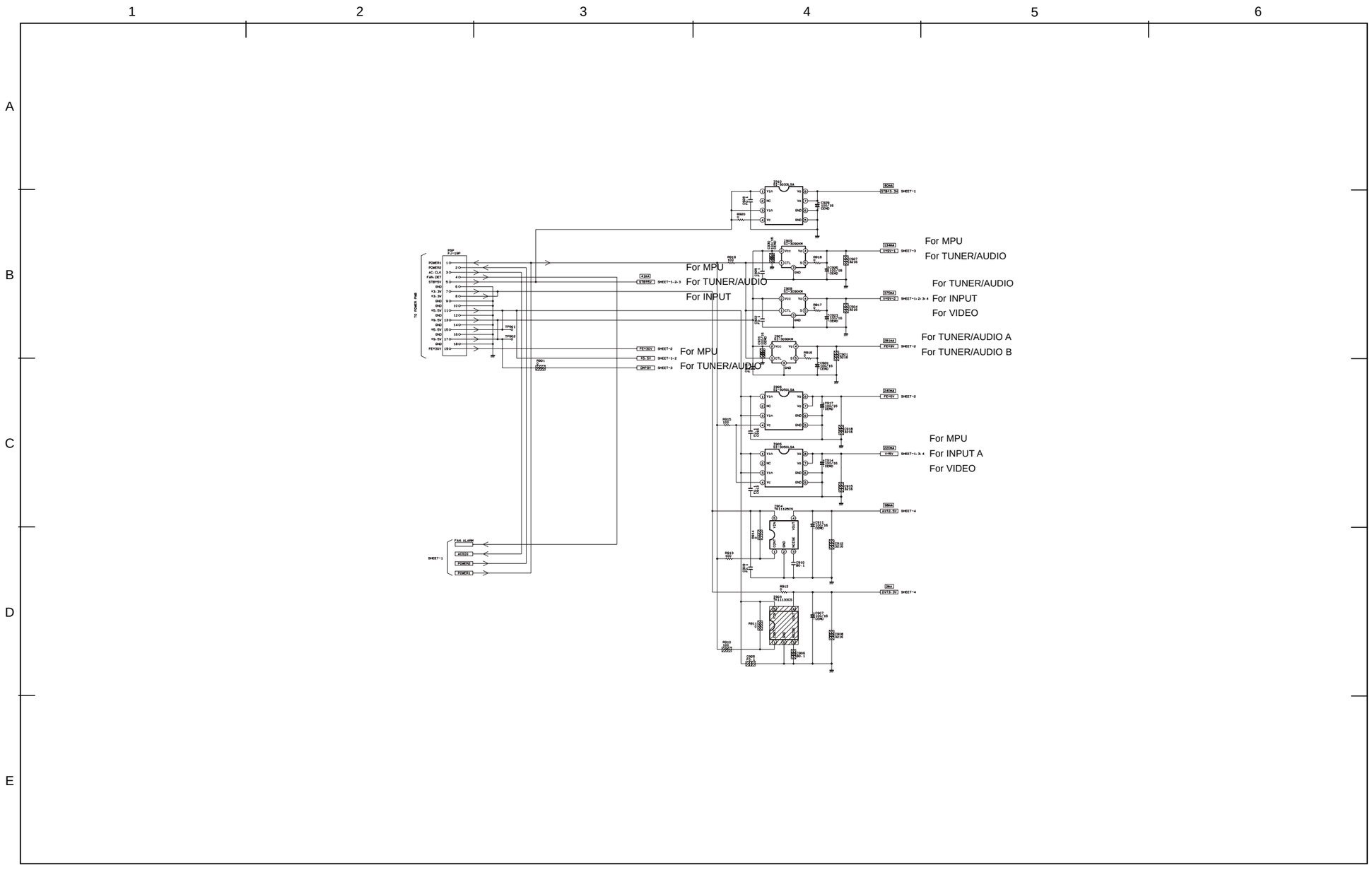


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U Video

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

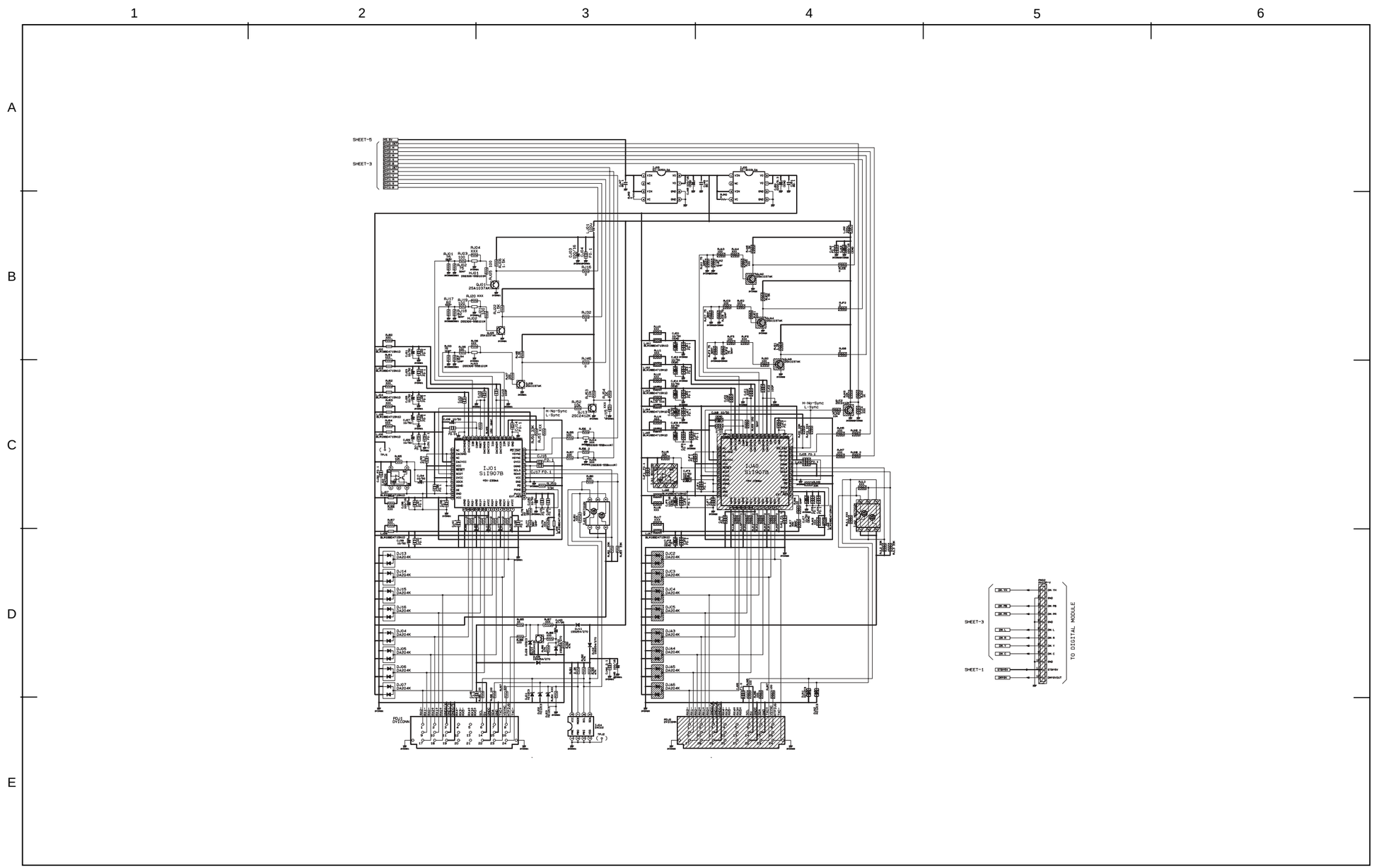


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U Power

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

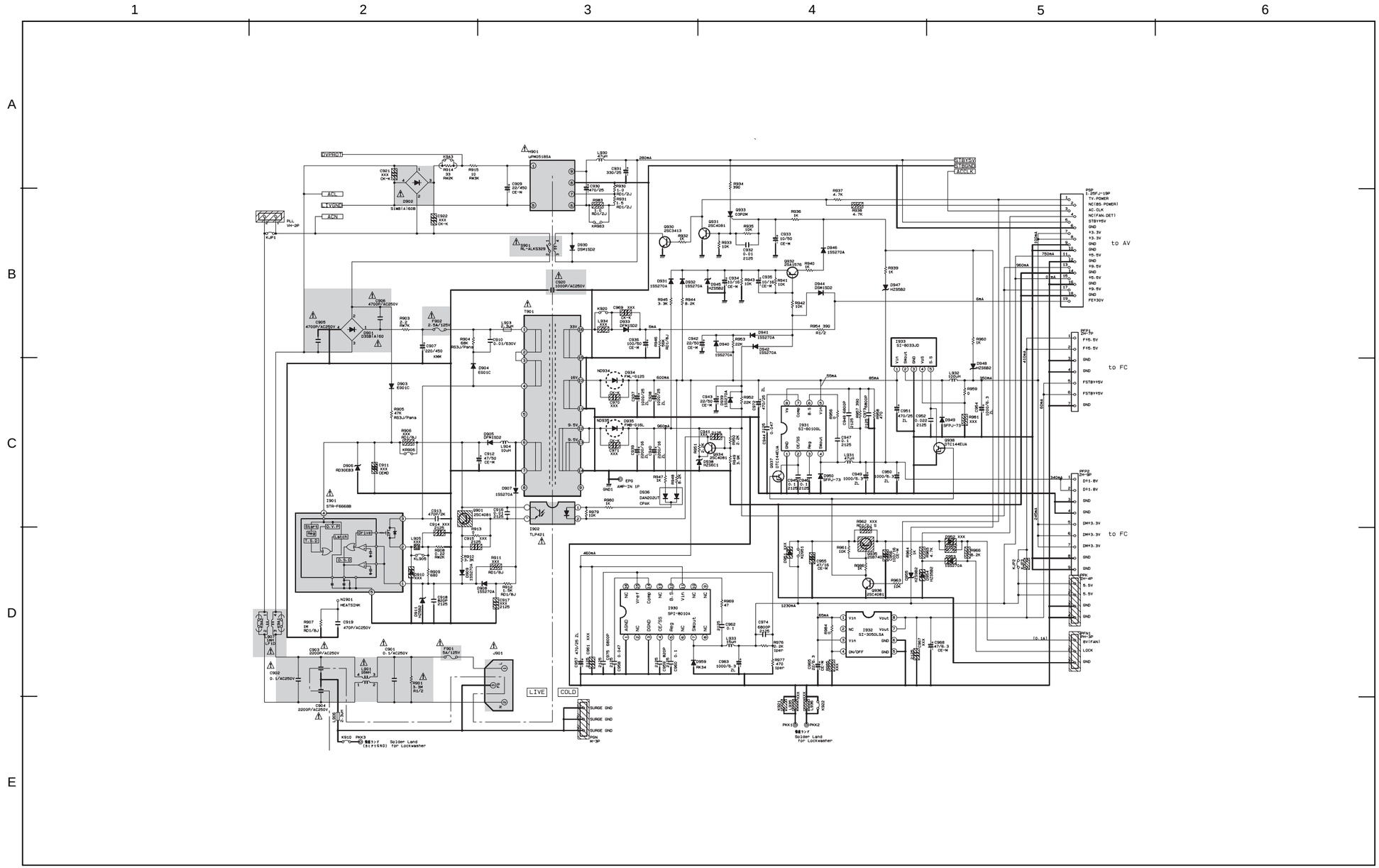


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U DVI

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

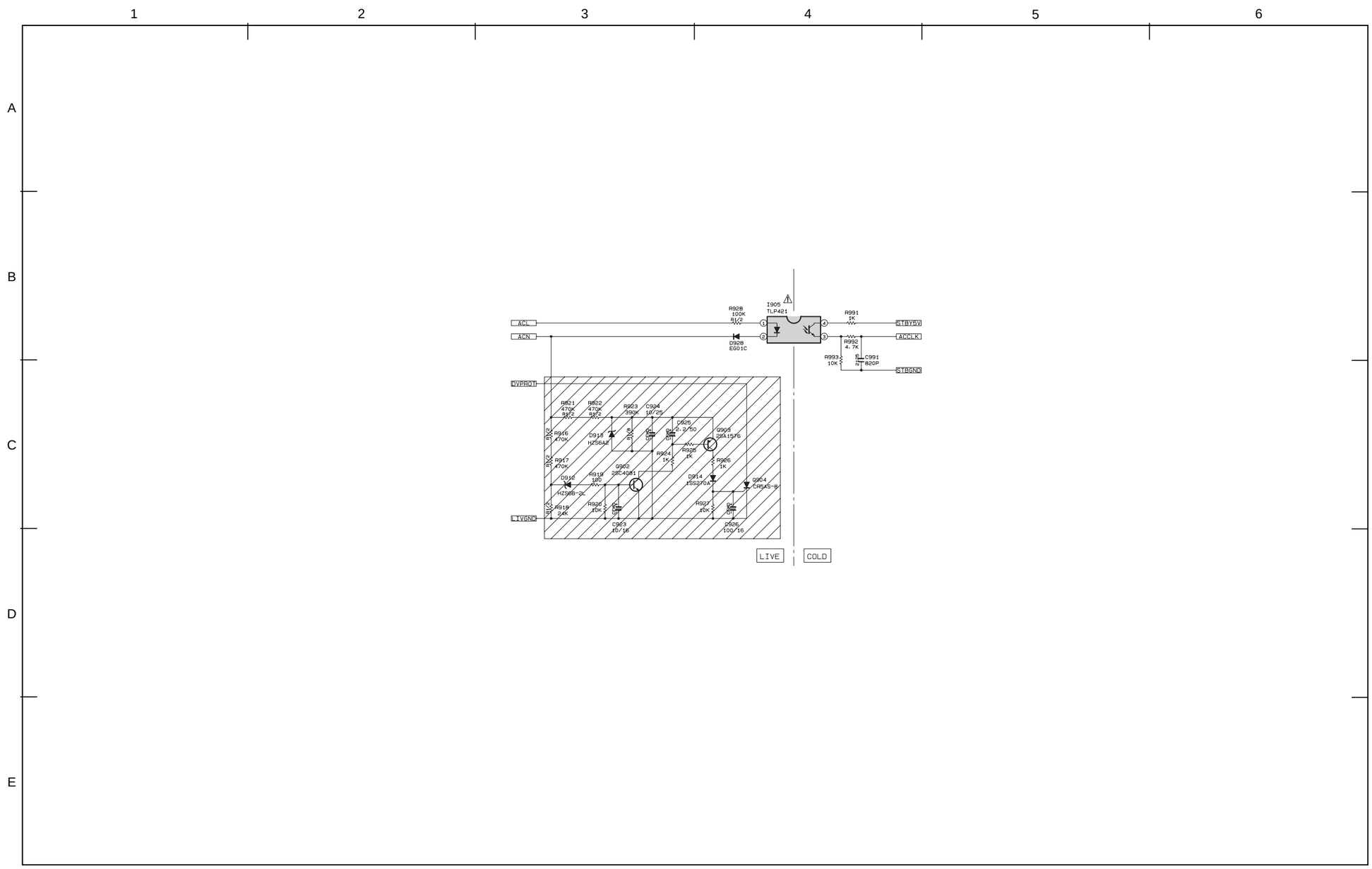


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U Power (1/2)

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM



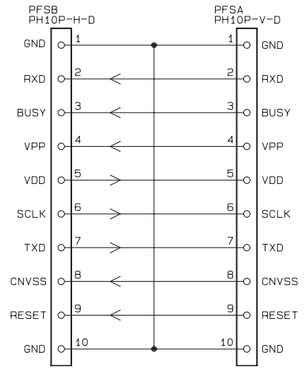
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U Power (2/2)

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

PT3-E/G AVC3-U
AV Jig

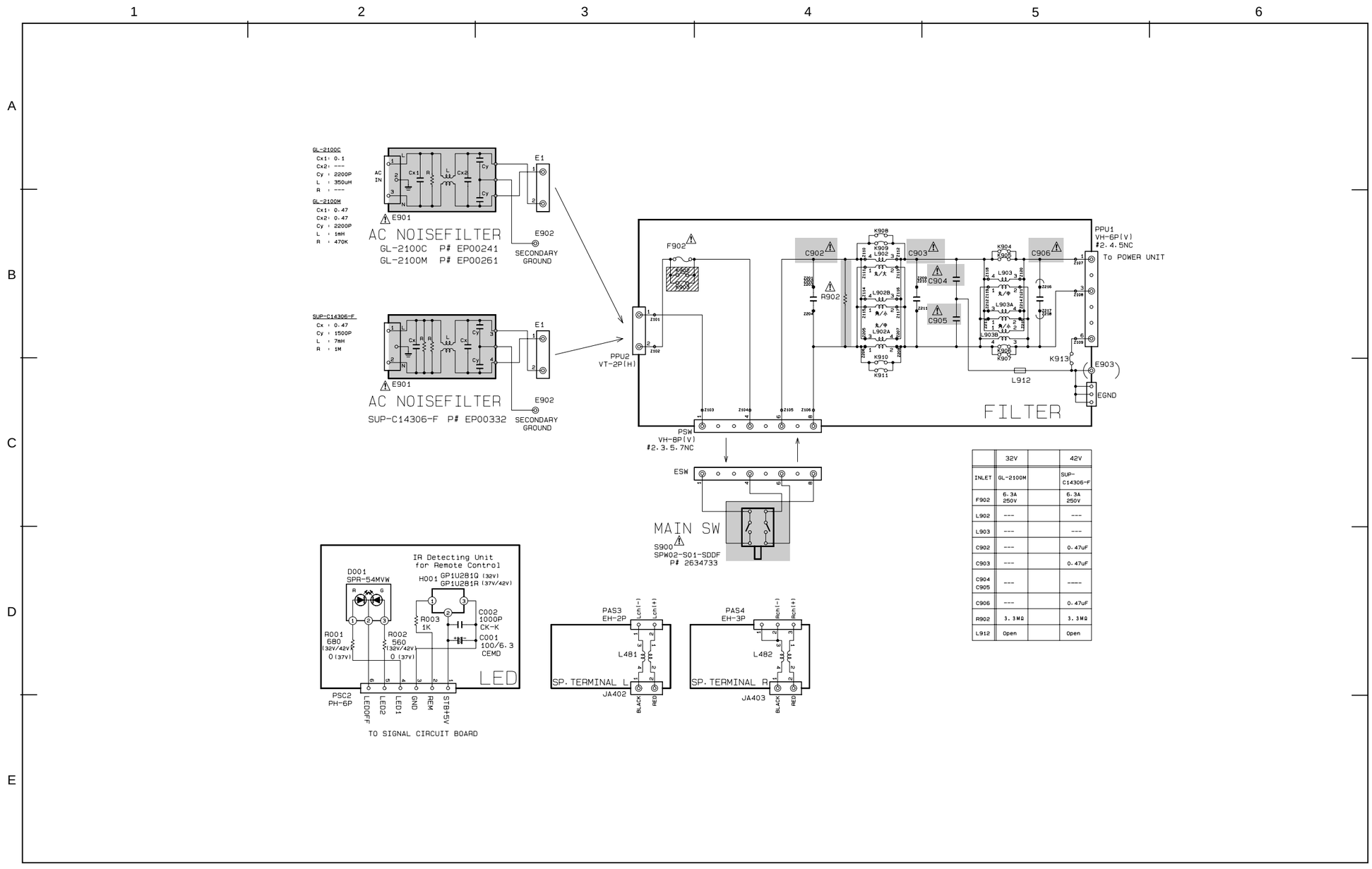


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

AVC3-U AV Jig

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM



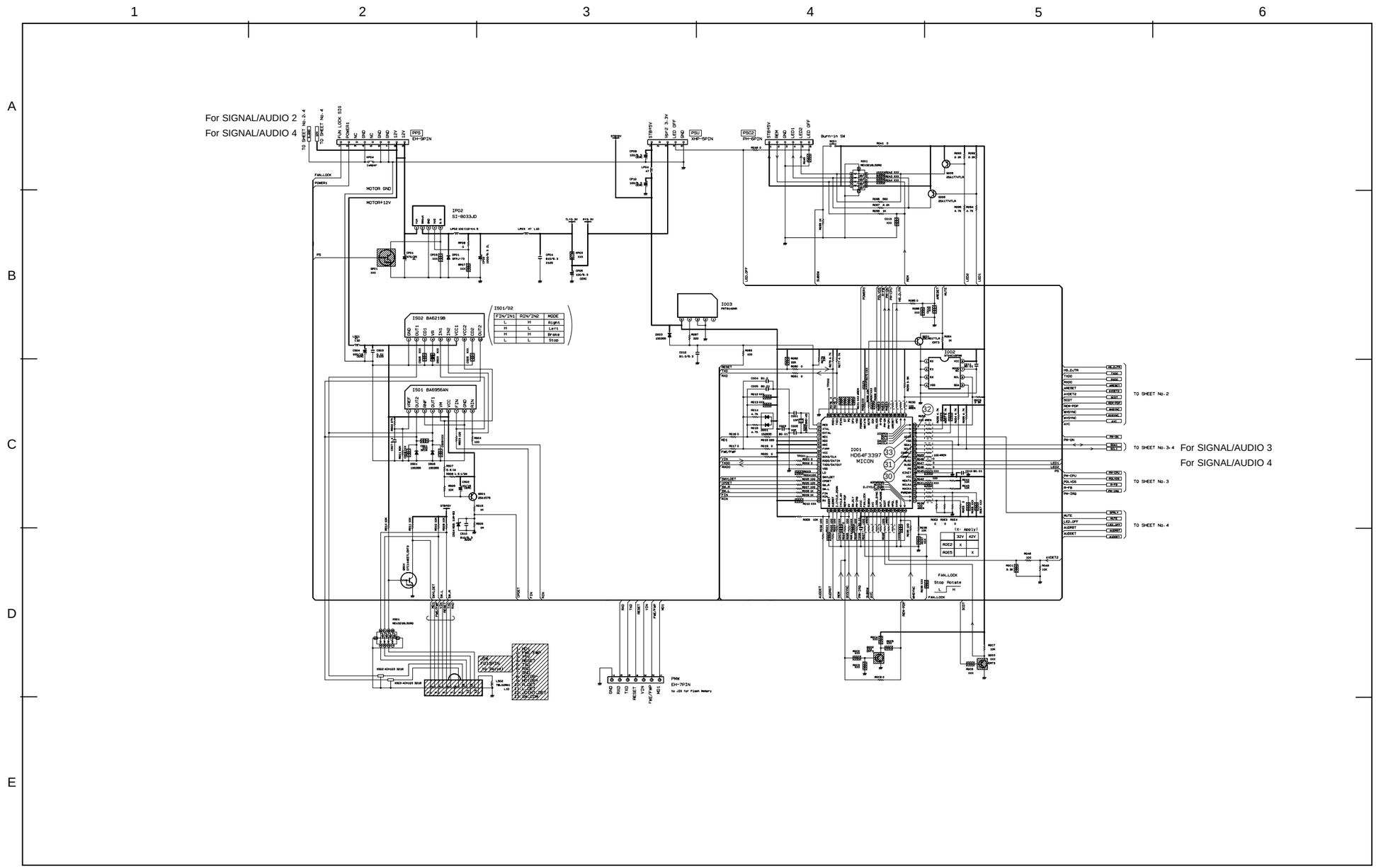
	32V		42V
INLET	GL-2100M		SUP-C14306-F
F902	6.3A 250V		6.3A 250V
L902	---		---
L903	---		---
C902	---		0.47uF
C903	---		0.47uF
C904 C905	---		----
C906	---		0.47uF
R902	3.3MΩ		3.3MΩ
L912	Open		Open

- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

PT3-E/G Filter

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

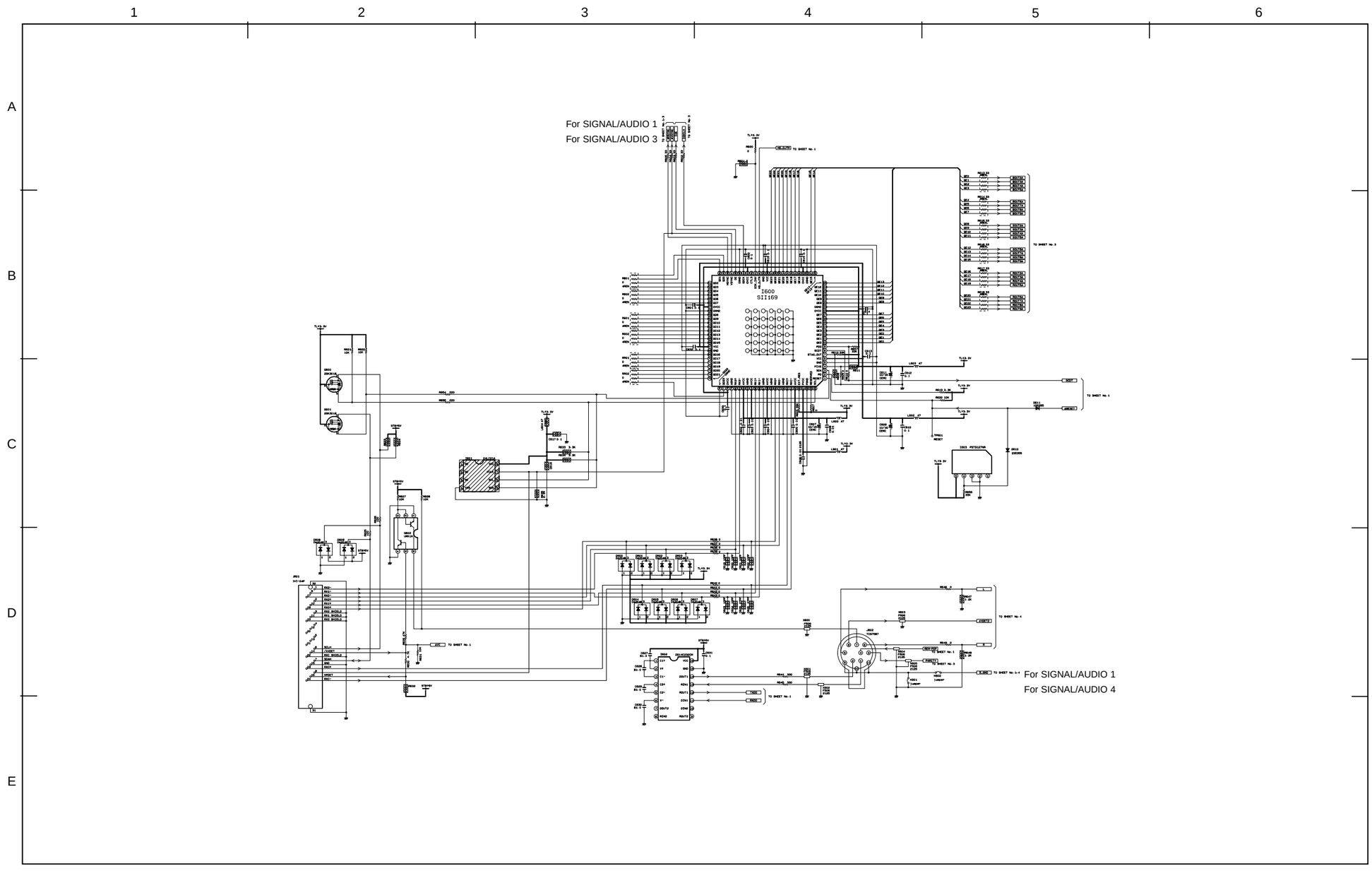


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

PT3-E/G Signal/Audio 1

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

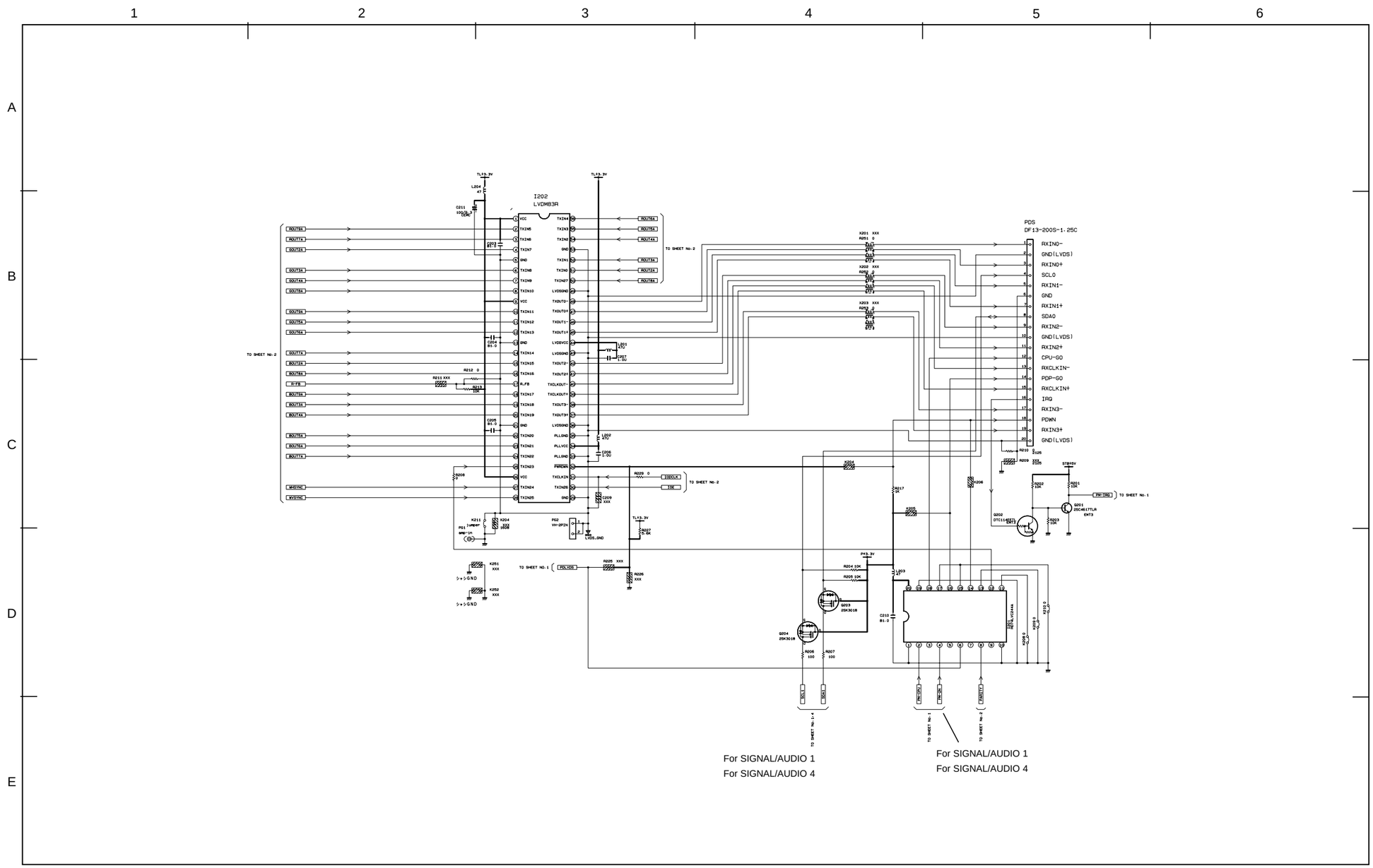


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

PT3-E/G Signal/Audio 2

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

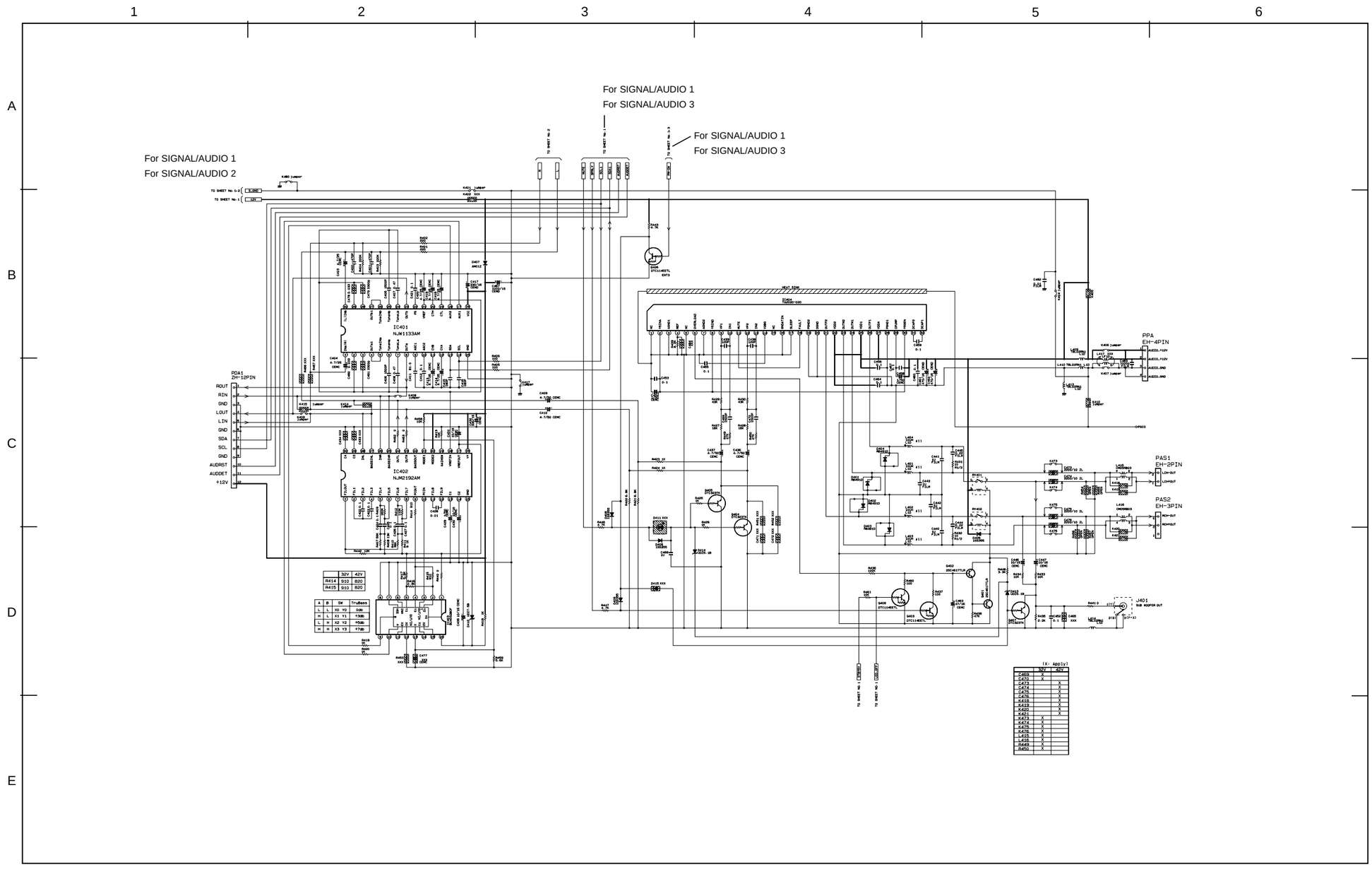


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

PT3-E/G Signal/Audio 3

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

BASIC CIRCUIT DIAGRAM

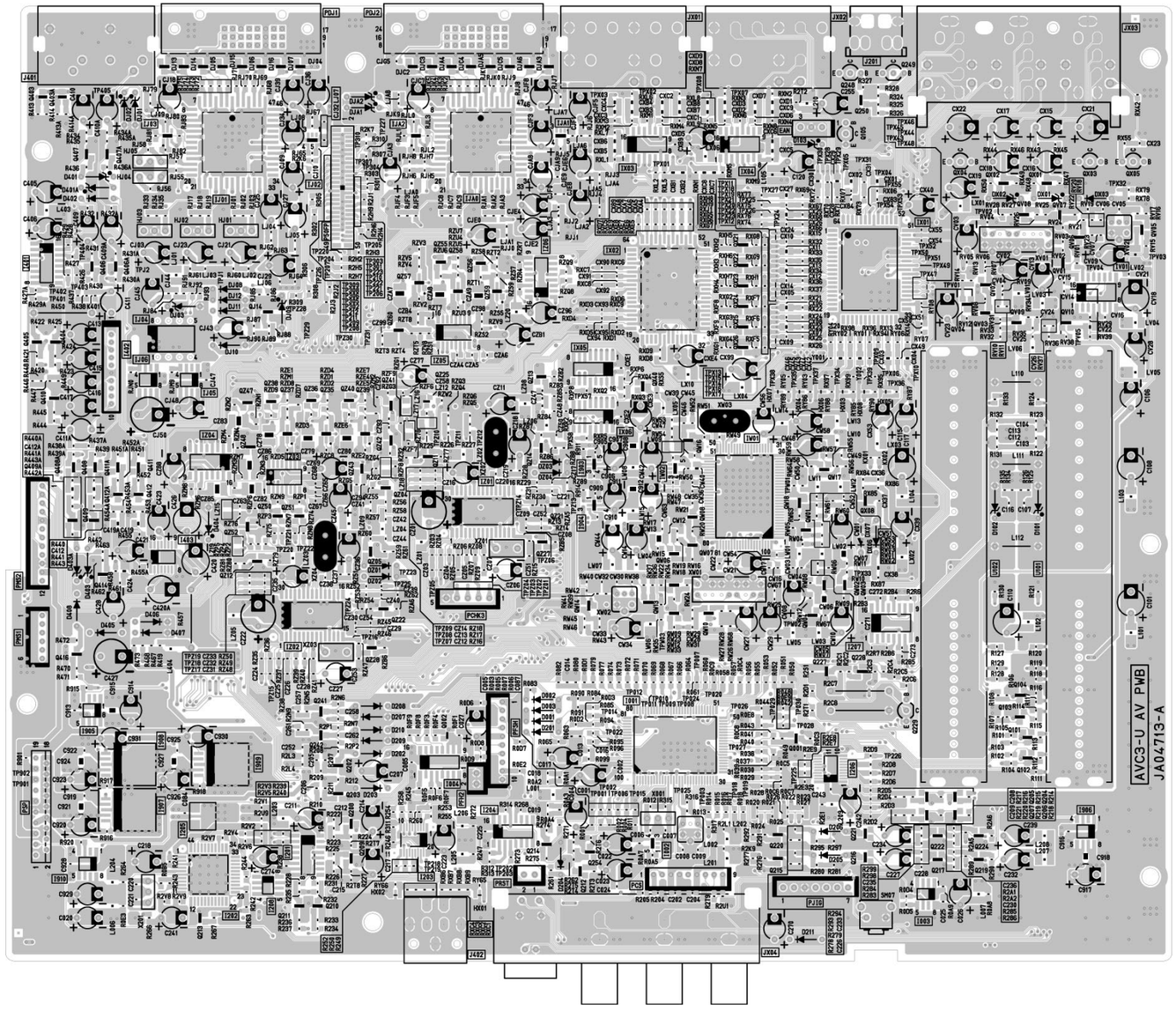


- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

PT3-E/G Signal/Audio 4

PRINTED CIRCUIT BOARD

AVC3-U Audio/Video PWB



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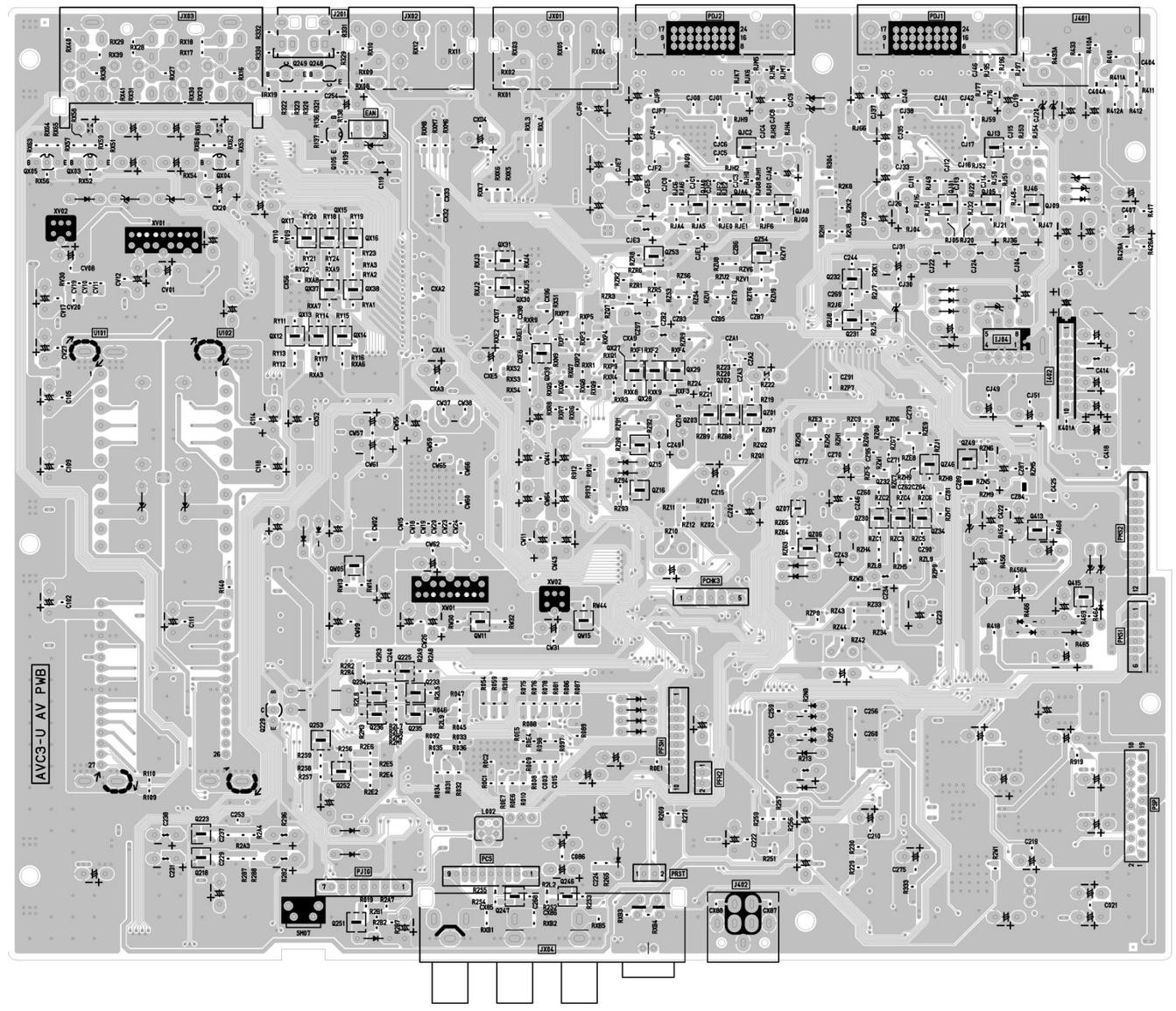
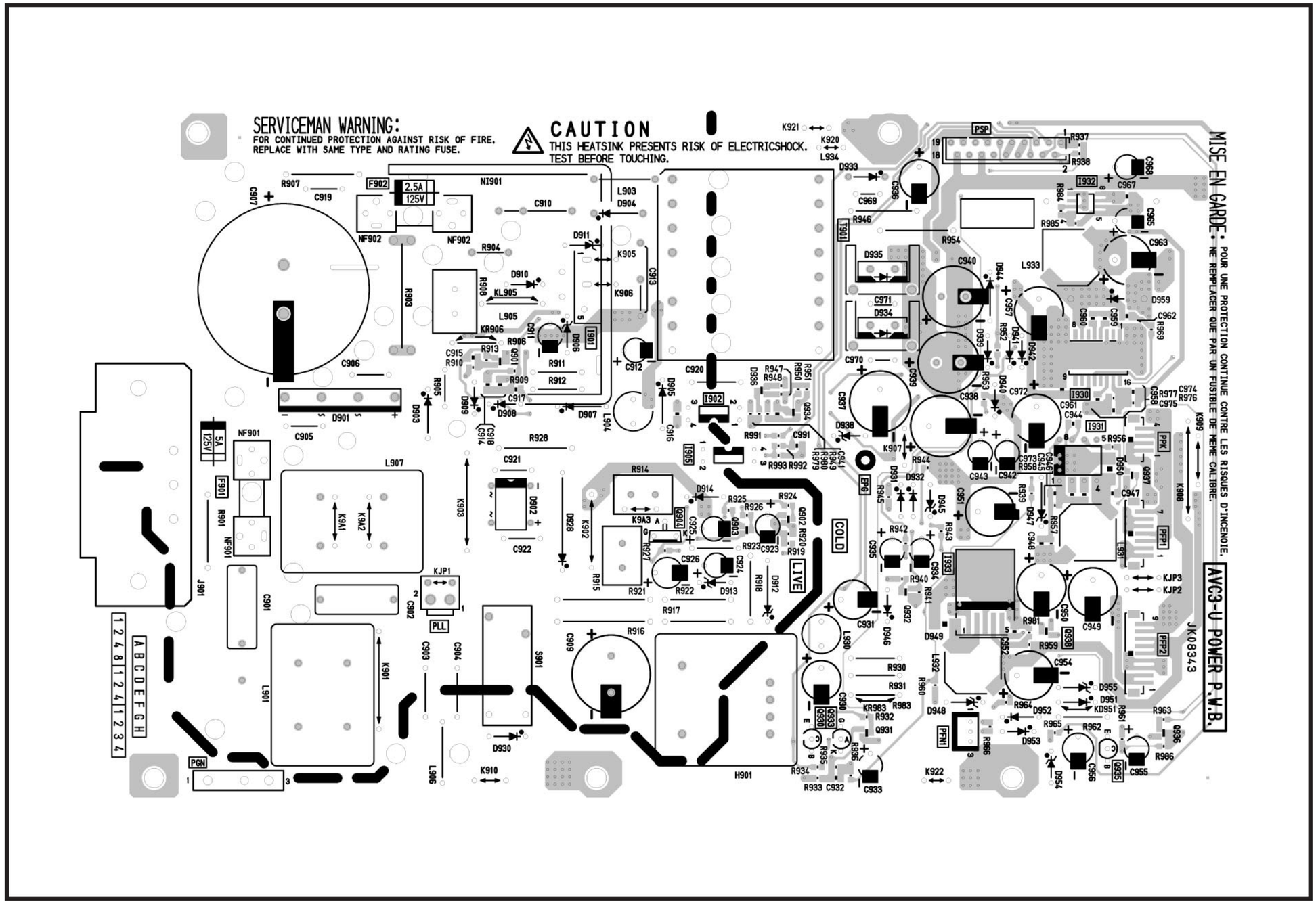
PRINTED CIRCUIT BOARD

AVC3-U Audio/Video PWB



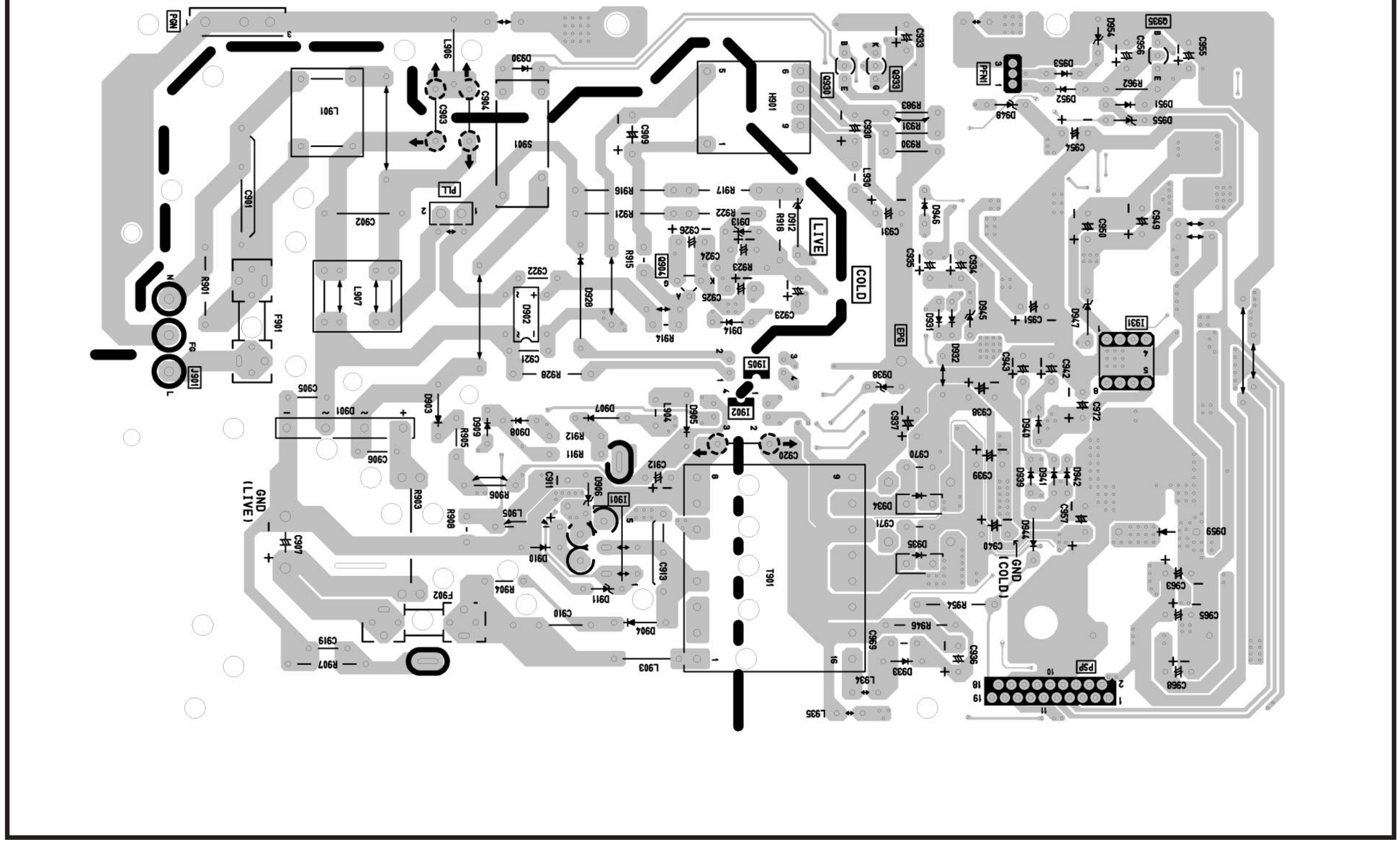
PRINTED CIRCUIT BOARD

AVC3-U Power PWB



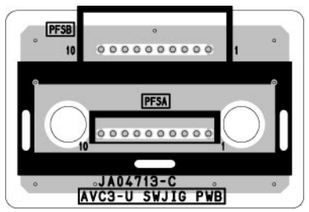
PRINTED CIRCUIT BOARD

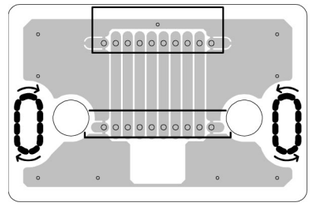
AVC3-U Power PWB

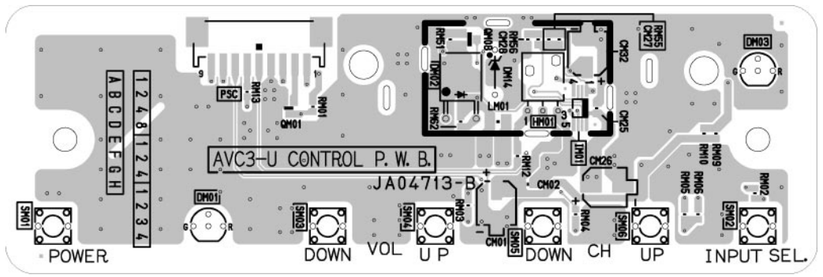


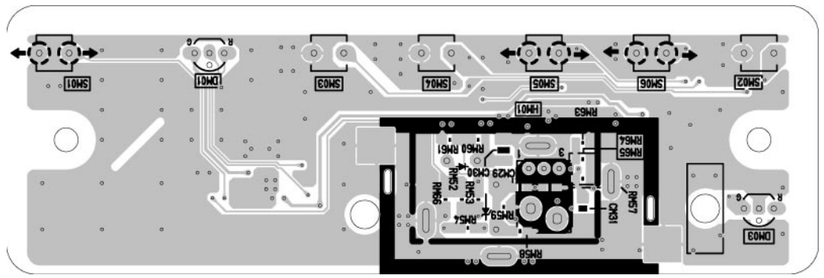
PRINTED CIRCUIT BOARD

AVC3-U SW Jig/Control/Filter PWB

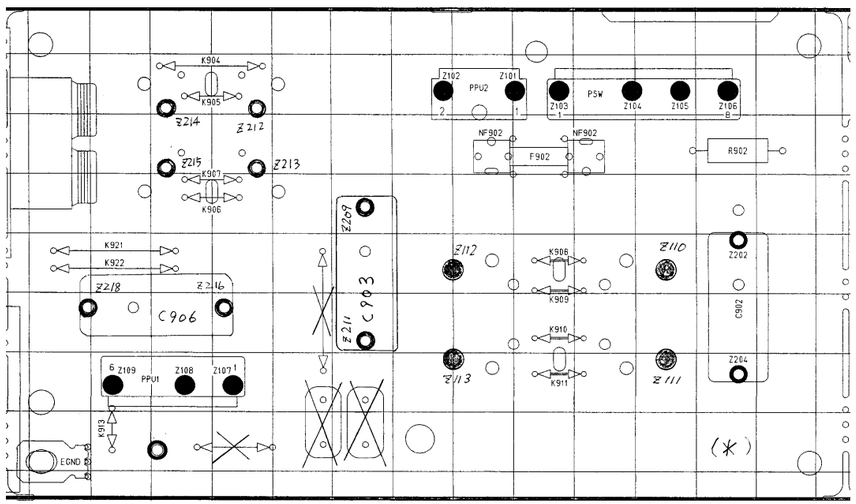


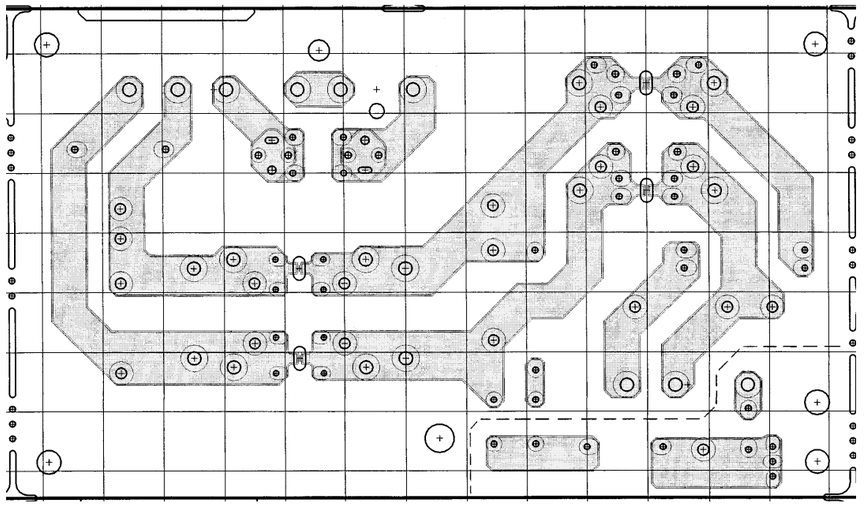






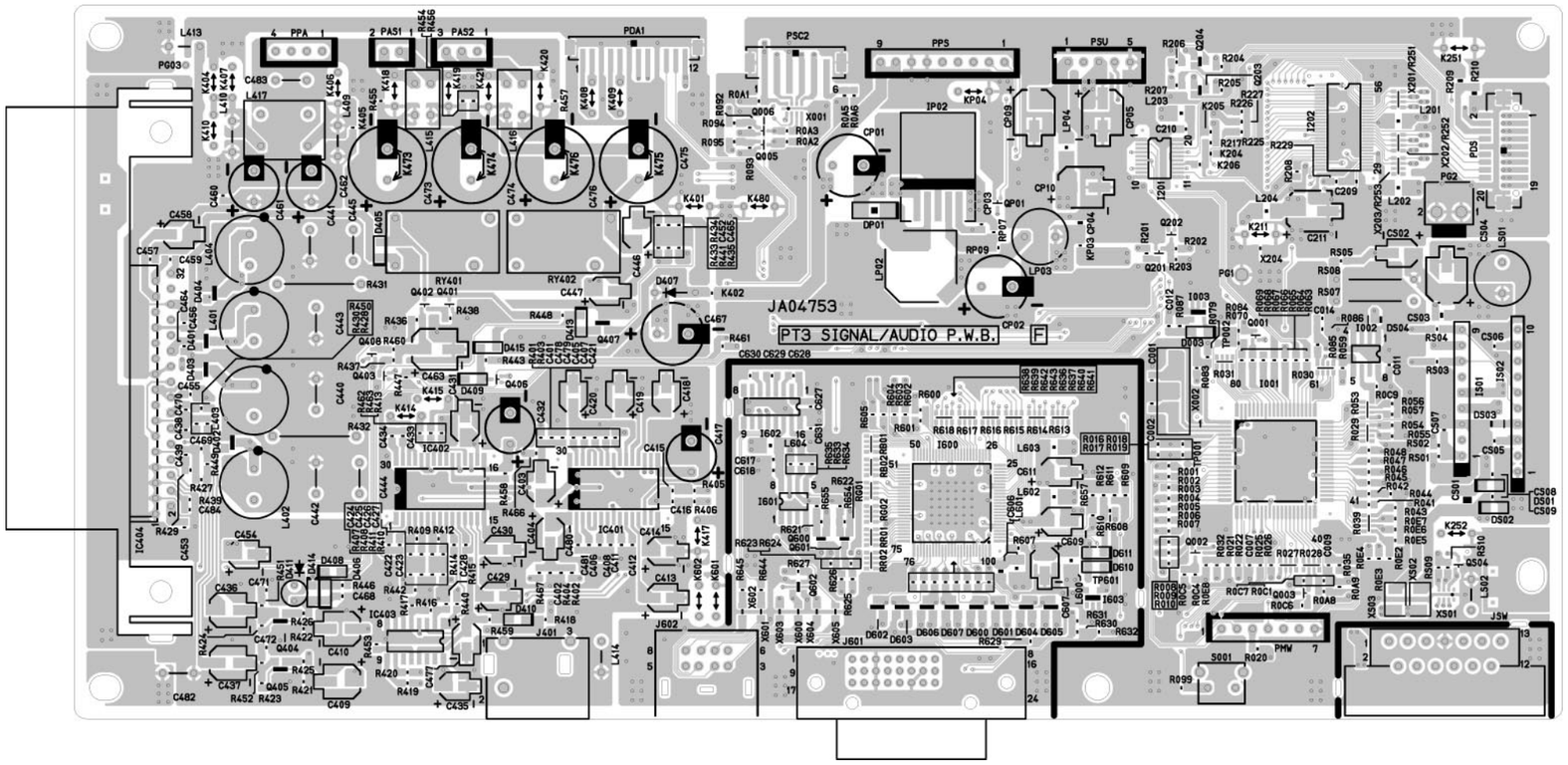
PT3 E/G FILTER PWB





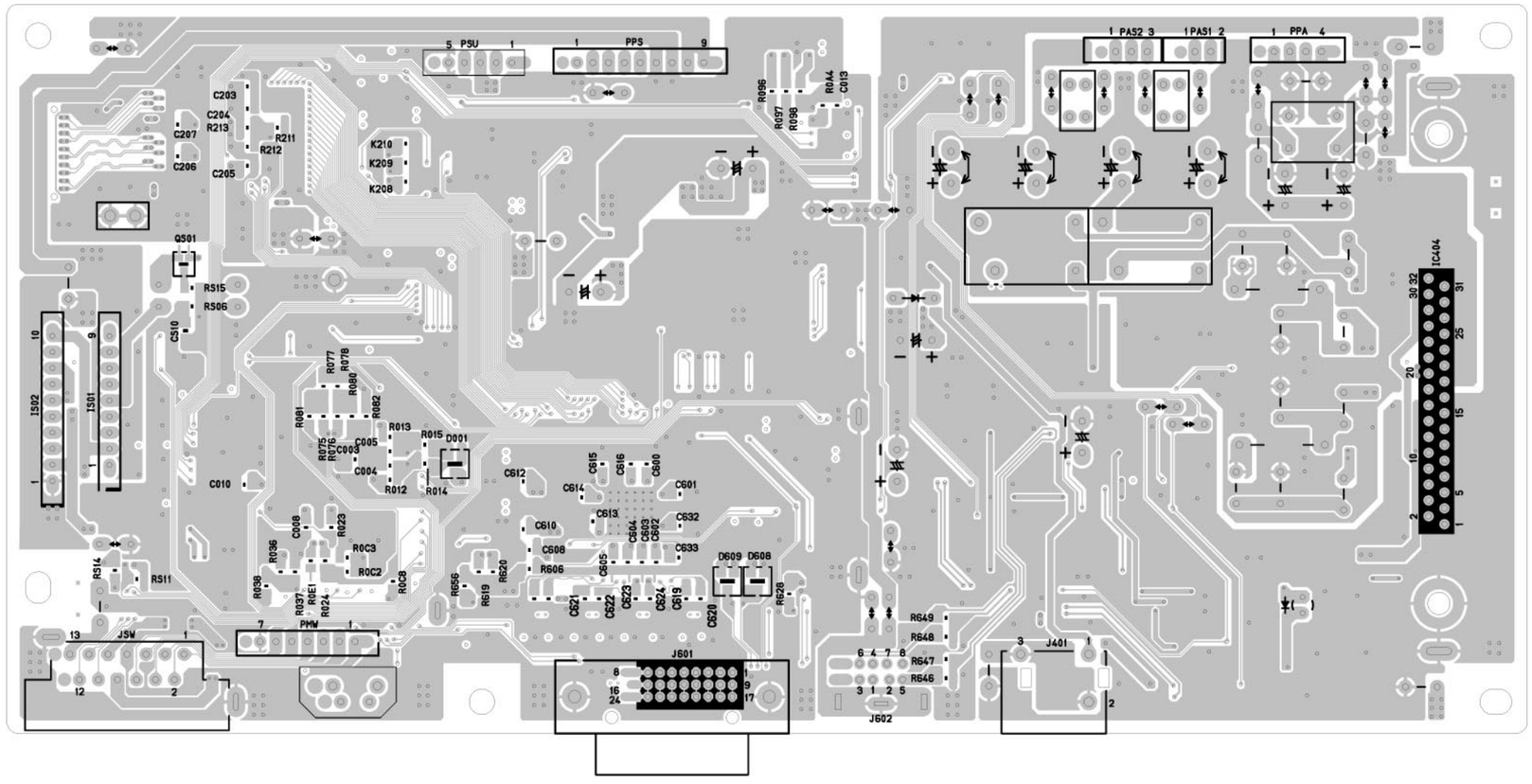
PRINTED CIRCUIT BOARD

PT3-E/G Signal/Audio PWB

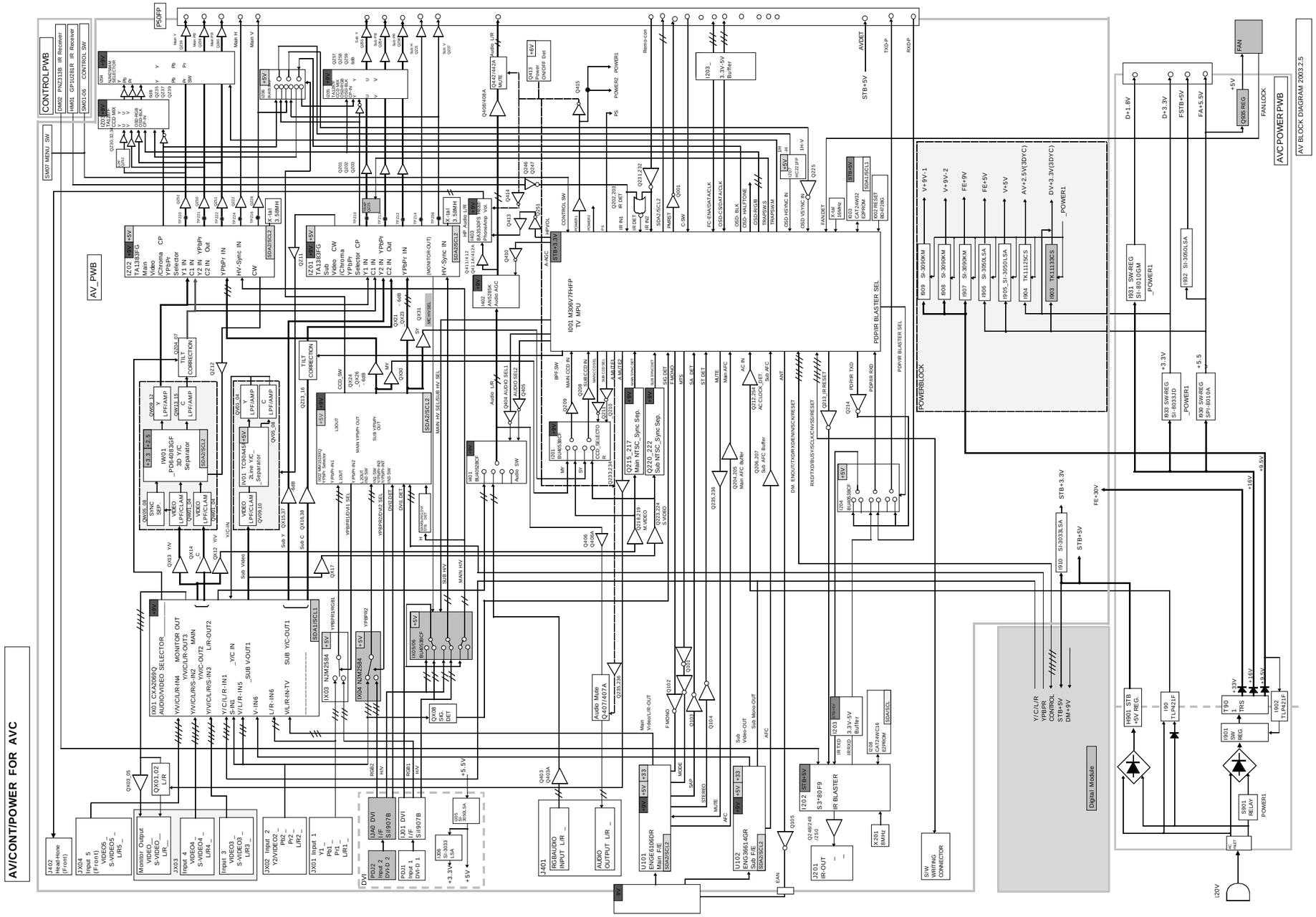


PRINTED CIRCUIT BOARD

PT3-E/G Signal/Audio PWB



BLOCK DIAGRAM
AV/Control/Power for AVC3-U



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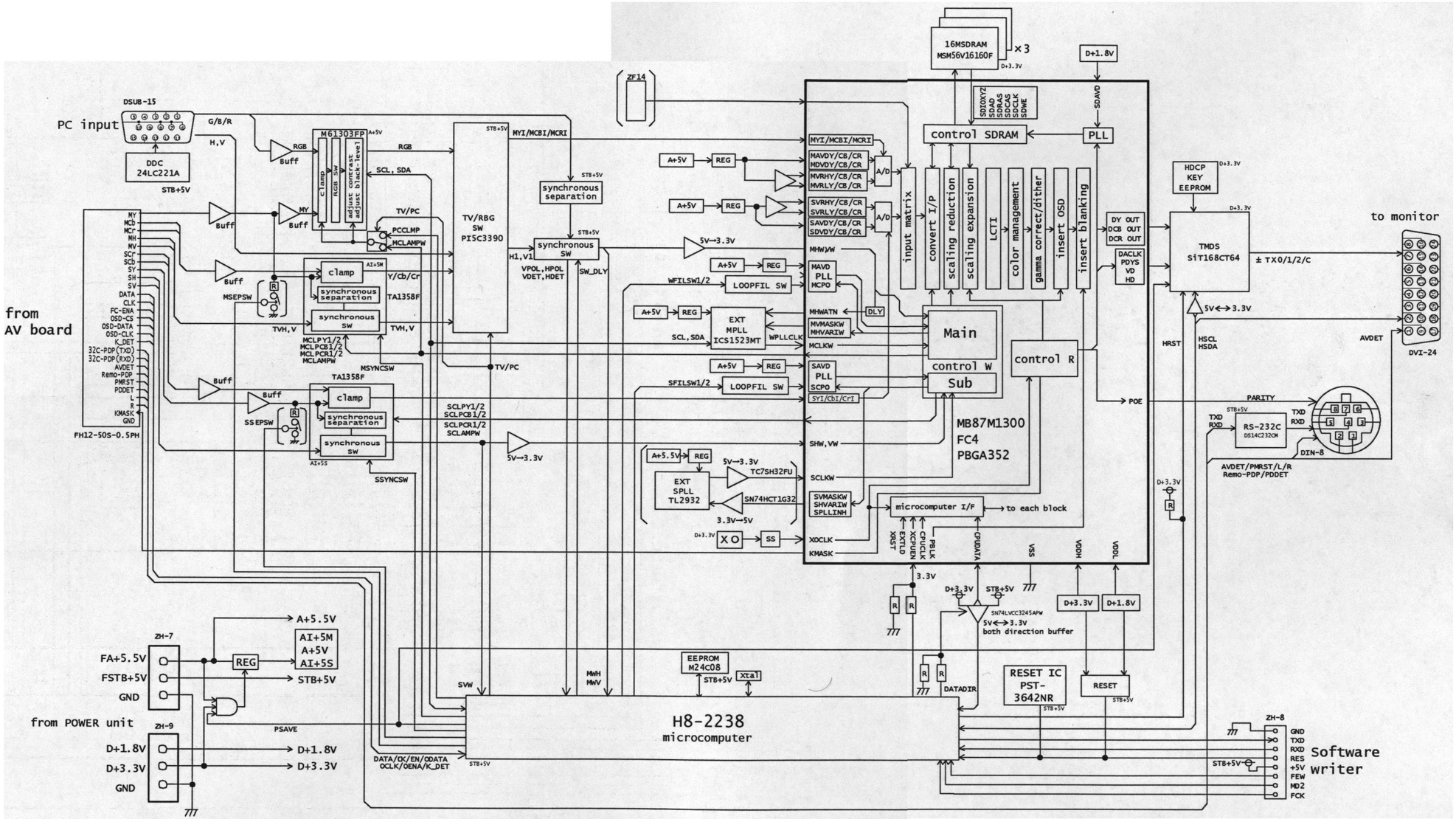
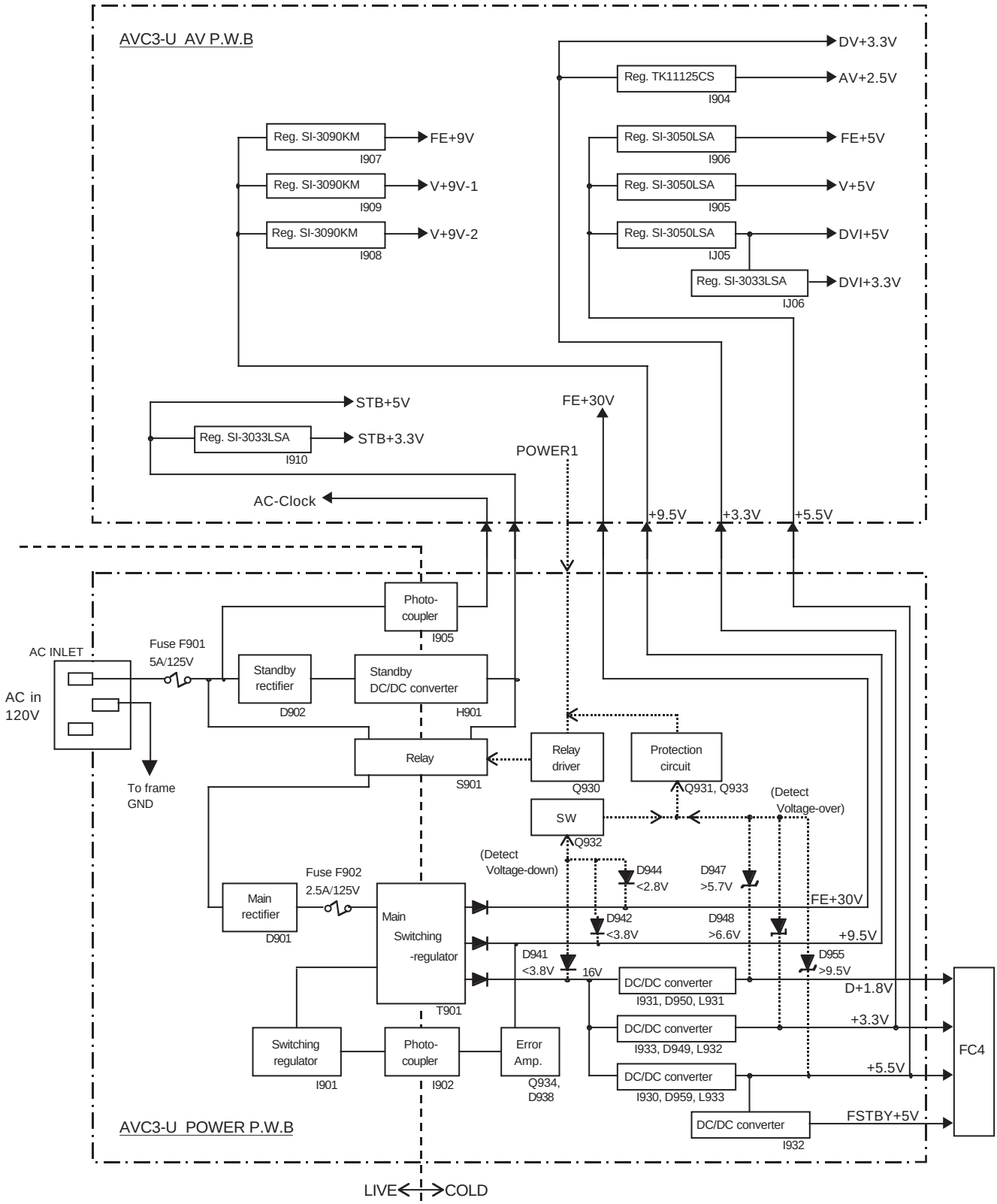
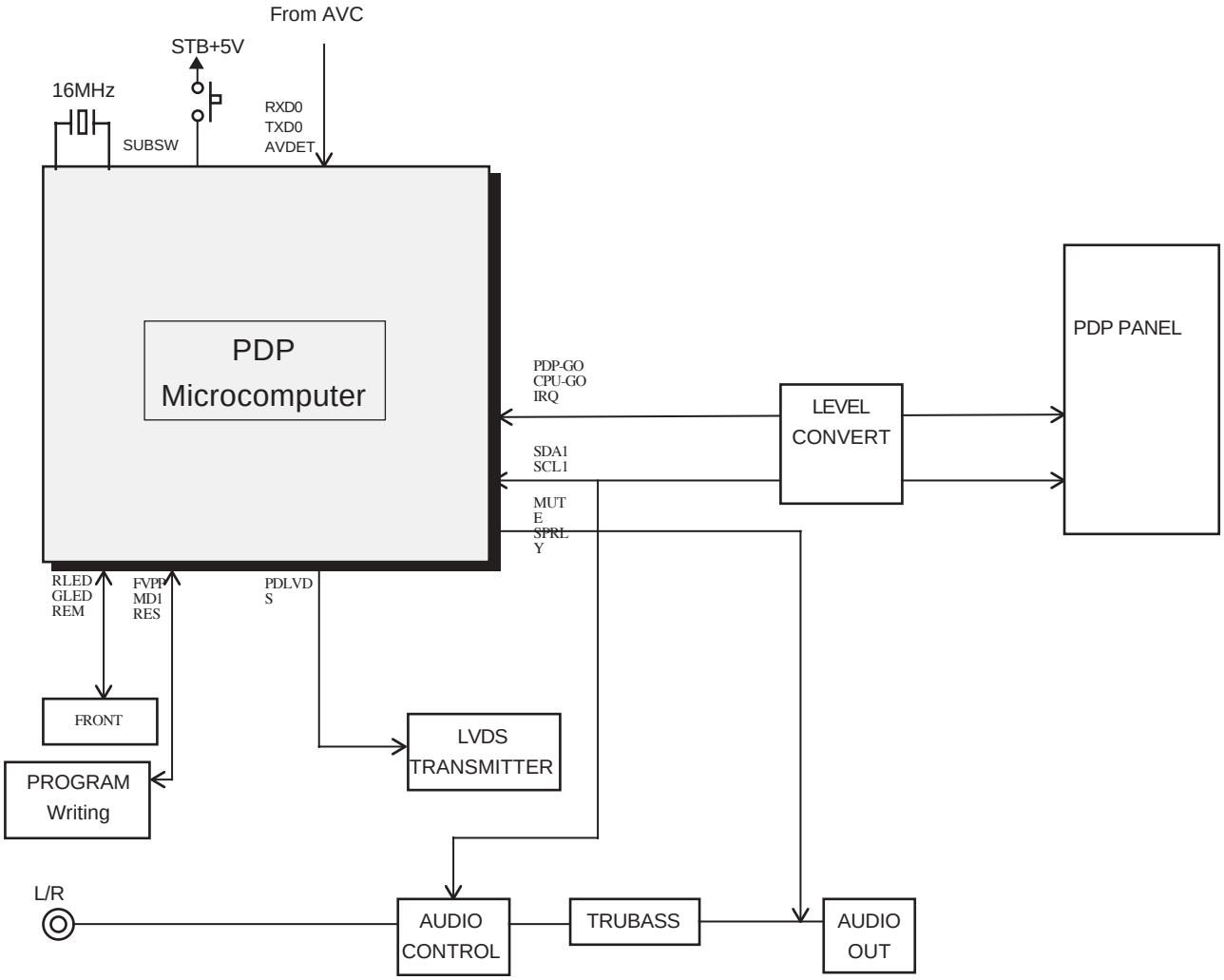
BLOCK DIAGRAM
FC4 Unit



PROTECTION CIRCUIT BLOCK DIAGRAM

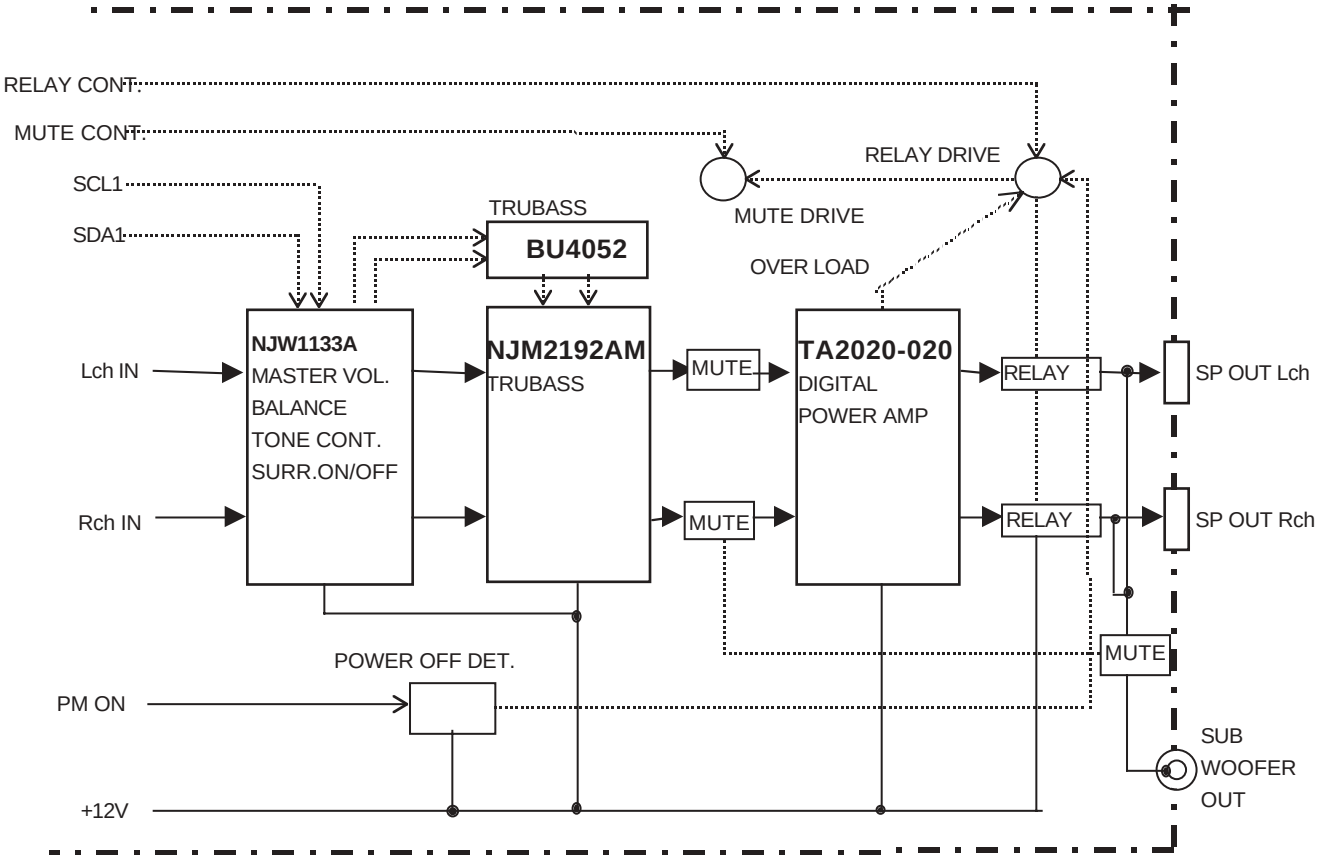


MPU CONTROL BLOCK DIAGRAM
Plasma Monitor

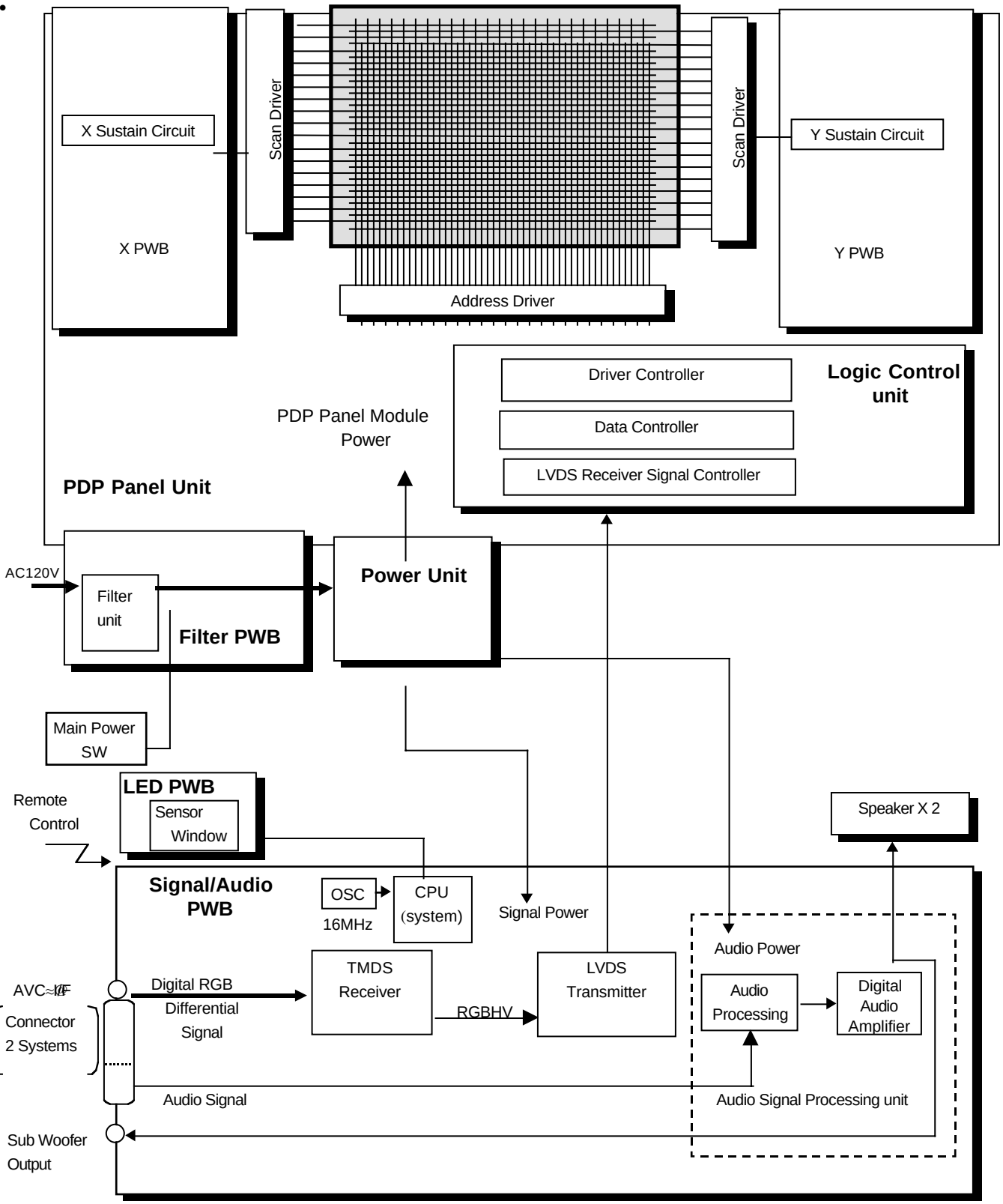


AUDIIO CIRCUIT BLOCK DIAGRAM
Plasma Monitor

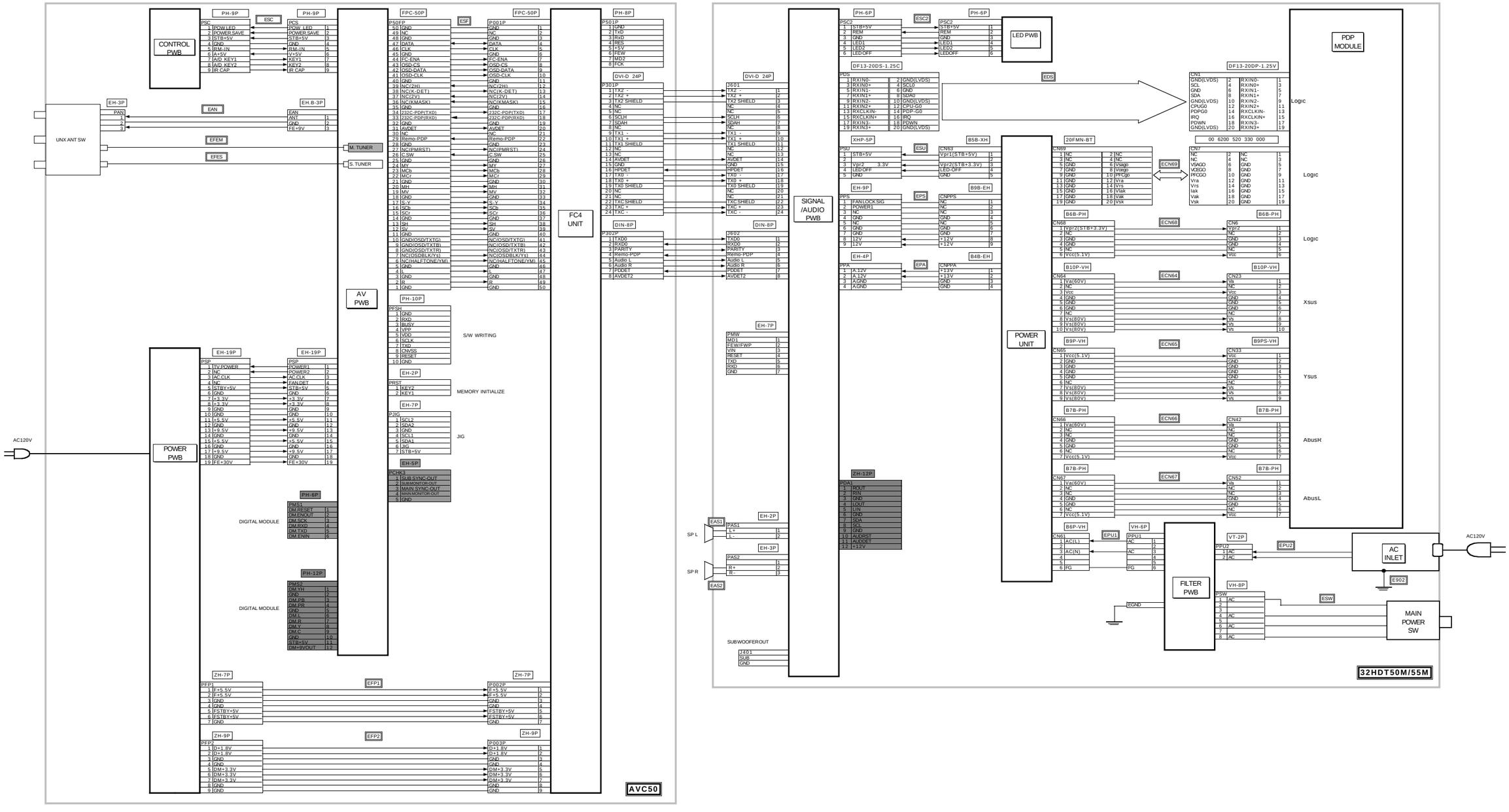
Audio Circuit Block Diagram



BLOCK DIAGRAM APPLICATION
Plasma Monitor



CONNECTION DIAGRAM
32HDT50/55



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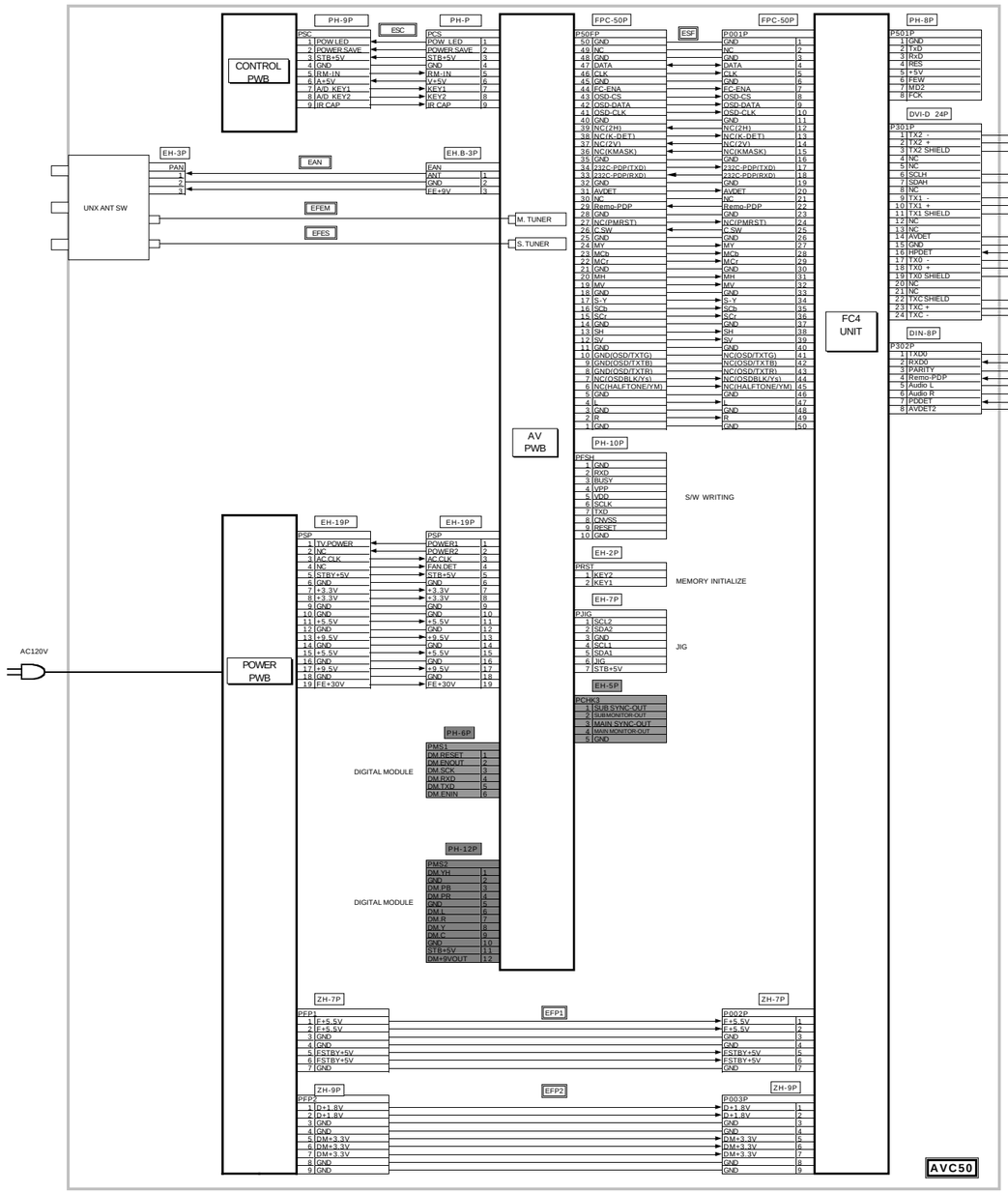
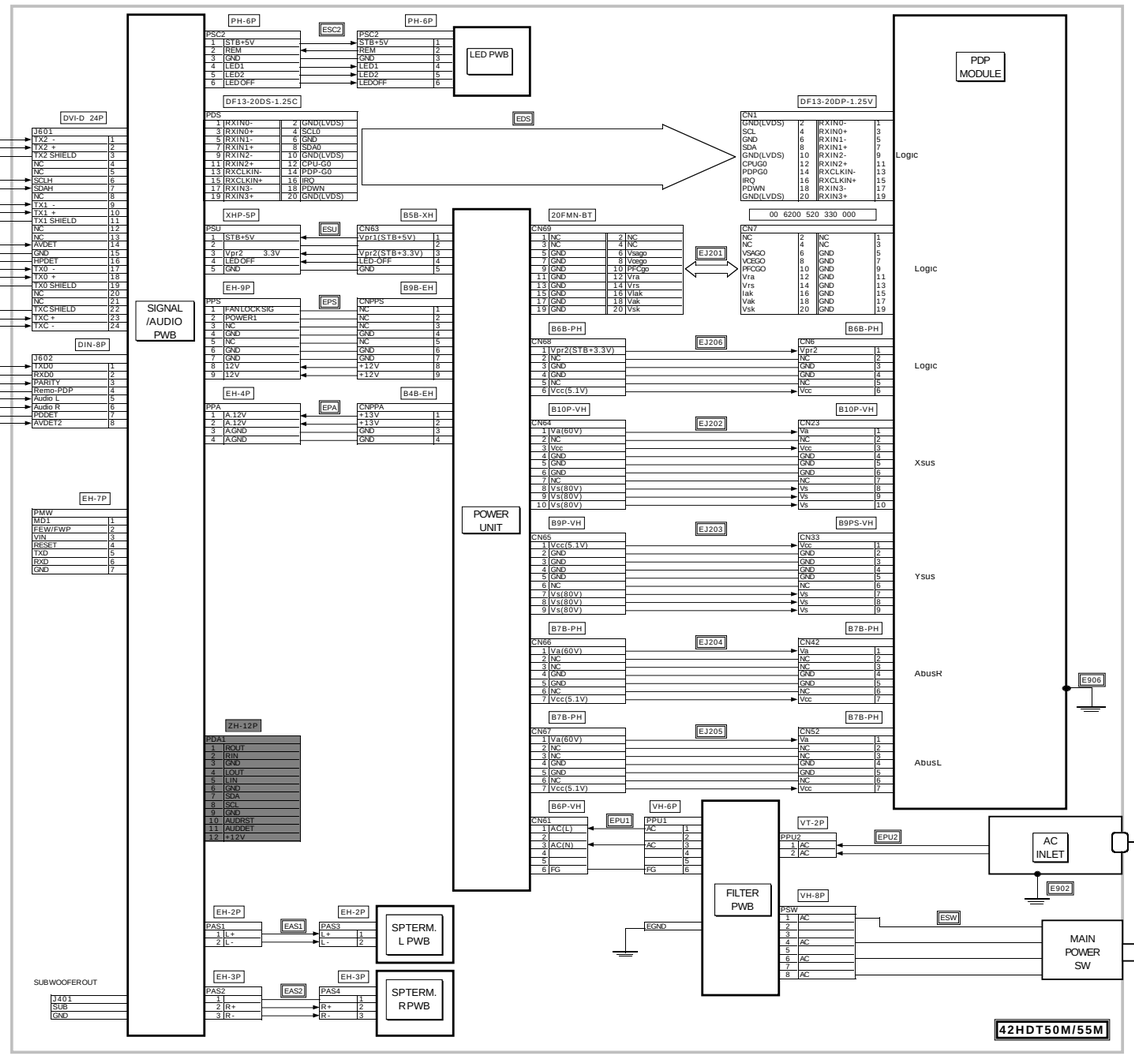
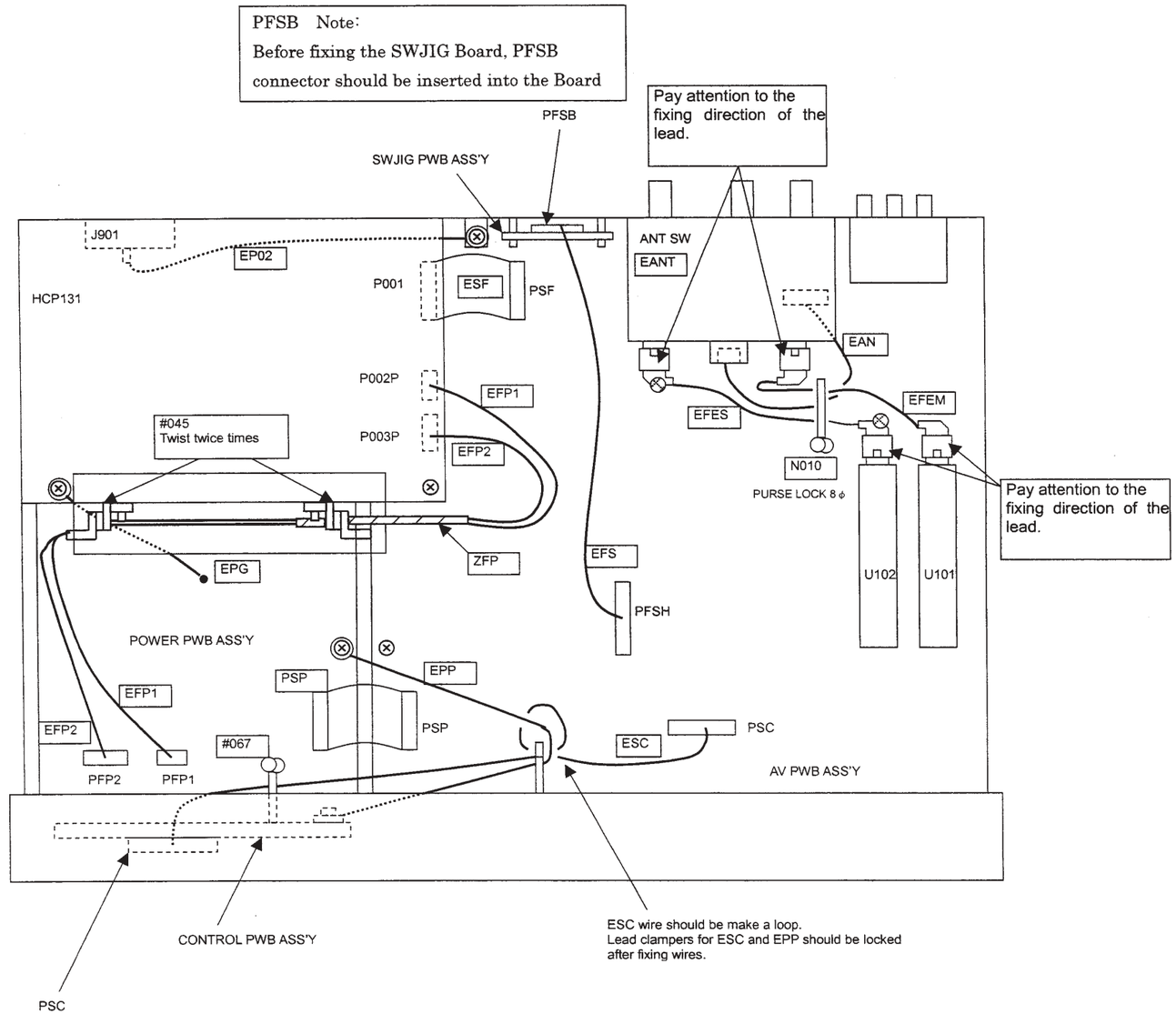
CONNECTION DIAGRAM
42HDT50/55





AVC3-U CHASSIS WIRING DRAWING



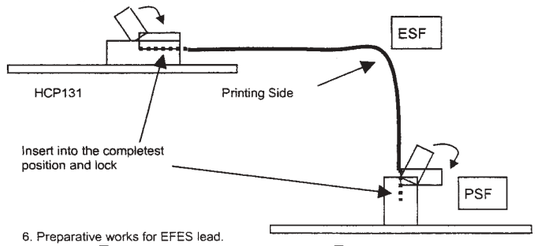
PSC Note:
Before fixing the CONTROL Board, PSC connector should be inserted into the Board

SPECIFICATION

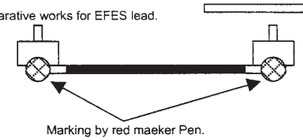
1. This Drawing shows the wire dressing and connectors connection of AVC3-U Final Assy.
2. Connectors with wire should be inserted into Plug Pin Posts as shoen on the table below.

Connector Wire		Plug Pin 1		Plug Pin 2	
Name	Assy List	Board	Name	Board	Name
ESC	FINAL ASSY	Control Board	PSC	AV Board	PSC
EFP1	FINAL ASSY	Power Board	PFP1	HCP131	P002P
EFP2	FINAL ASSY	Power Board	PFP2	HCP131	P003P
ESF	FINAL ASSY	AV Board	PSF	HCP131	P001
PSP	POWER ASSY	AV Board	PSP	–	–
EFEM	FINAL ASSY	ANT SW	EANT	AV Board	U101
EFES	FINAL ASSY	ANT SW	EANT	AV Board	U102
EAN	AV/CONT ASSY	ANT SW	EANT	AV Board	EAN
EFS	FINAL ASSY	SWJIG Board	PFSB	AV Board	PFSH
EPP	FINAL ASSY	Power Board	(Screw)	Front Panel	(Screw)
EPG	POWER ASSY	Power Board	EPG	HCP131	(Screw)
EP02	POWER ASSY	Power Board	J901	Rear Panel	(Screw)

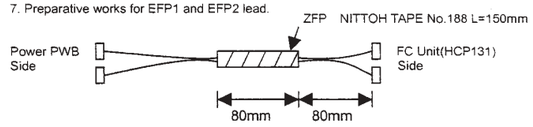
3. Into Plug Pin Post with Lock function, connector housing should be inserted completely until it can be locked.
4. Into Plug Pin Post without Lock function, connector housing should be inserted most completely.
5. Flexible Flat Cable ESF should be fixed as shown on the drawing below.



6. Preparative works for EFES lead.



7. Preparative works for EFP1 and EFP2 lead.



8. This drawing applies to ECN#20.

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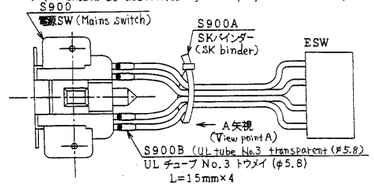
PT3-E/G CHASSIS WIRING DRAWING

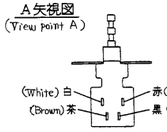
42” Plasma Monitor Front

準備作業 (Preparation Work)

1. S900は下記の準備作業を行った後ASS'Yのこと.
(S900 should be assembled after a preparation work for itself below.)



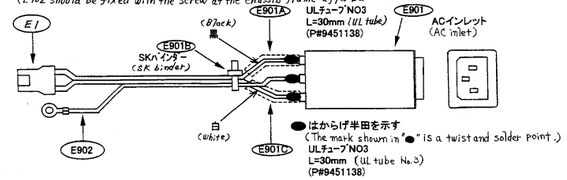
A矢視図
(View point A)



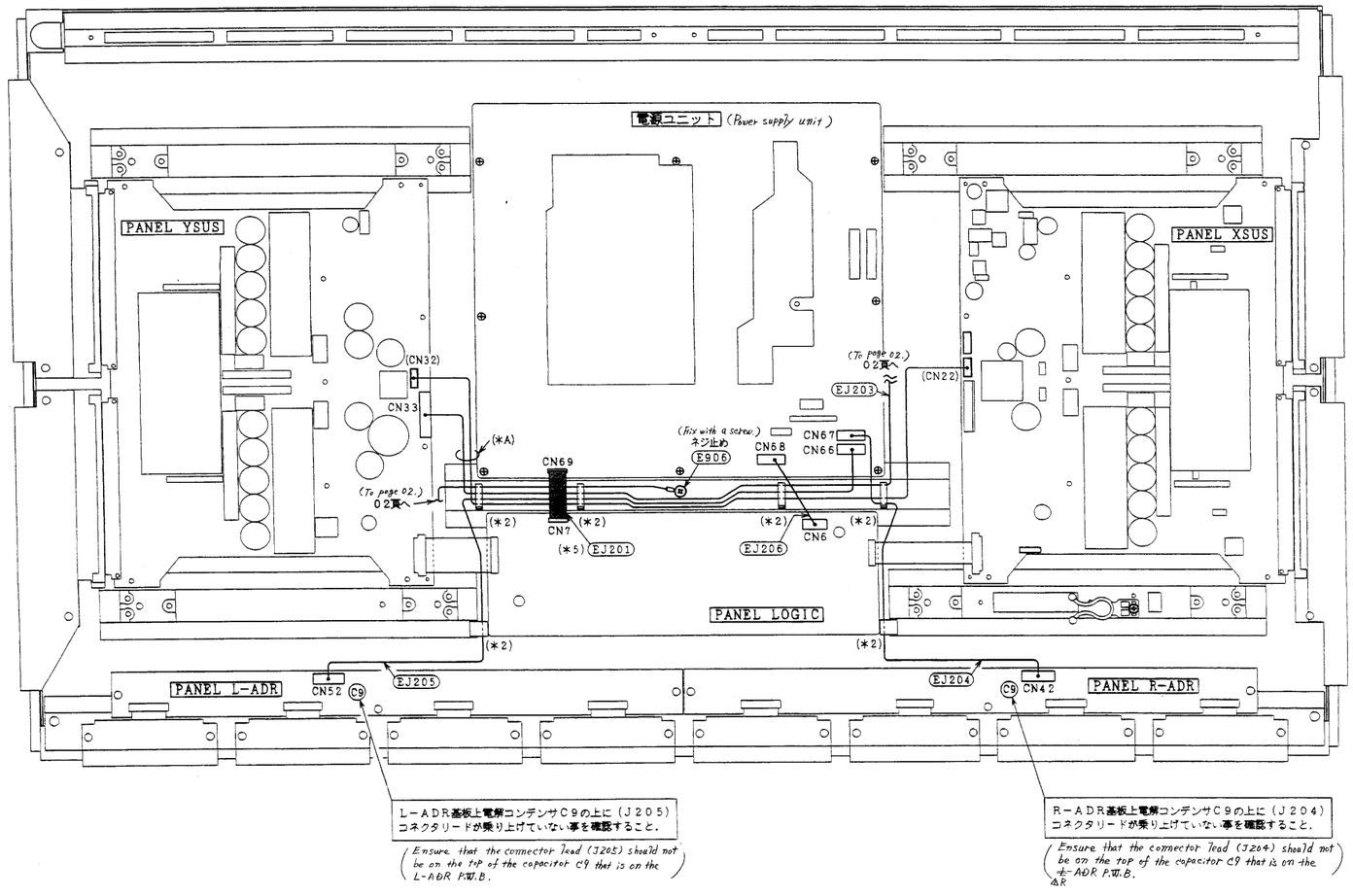
(1) 本図は電源SW上側より見た図である. (This drawing shows the top side view of the mains switch.)
(2) 図中 ● で示す部分はからげ半田付けのこと.(The mark shown in "●" is a twist and solder point.)
(3) ULチューブは電源SW端子根元まで挿入し,(Insert the UL tubes to the terminals of the mains switch till these stop at the base part of the mains terminals, and fix the mains switch leads with the SK binder at the end of the UL tubes.)
チューブ先端をSKバインダー止めのこと.

2.ACインレットAss'y (AC inlet Assy)

E902は下記Ass'yの後シャーシフレームに取り付けのこと
(E902 should be fixed with the screw at the chassis frame after below assembly.)



⚠ E902はACインレットの端子(中央の端子)にからげ半田後
E1 ~~E902~~と共にSKバインダー(E901B)にて固定のこと。E1⚠
(E902 should be fixed together with ~~E902~~ with SK binder E901B after twisting and soldering E902 at the center terminal of AC inlet.)



L-ADR基板上電解コンデンサC9の上に(J205)コネクタリードが乗り上げていない事を確認すること.
(Ensure that the connector lead (J205) should not be on the top of the capacitor C9 that is on the L-ADR P.W.B.)

R-ADR基板上電解コンデンサC9の上に(J204)コネクタリードが乗り上げていない事を確認すること.
(Ensure that the connector lead (J204) should not be on the top of the capacitor C9 that is on the R-ADR P.W.B.)

PT3シャシ(42")総組布線図 仕様
(Specification for the final wiring drawing for PT3 (42") chassis.)

1. 本図は、総組布線図を示し、本機種に於ける配線の引き回し及び接続は本図によること。(This drawing shows the final wiring drawing. As to the wiring style and the location of the connector wires, refer to this drawing.)
2. 本図はセット背面から見た図である。(This drawing shows the back side view of the set.)
3. ロック機構付きコネクタはしっかりロックされるまで、その他のコネクタは~~ボ~~ストの根元まで挿入すること。(The connector with the lock mechanism should be locked together with its connector base tightly. Other connector should be inserted to the base of its post.)
4. (As to the connection location of the connectors, see below.)

From 接続ﾎﾞｰﾄﾞｲﾝ	From 基板名	接続ケーブル	To 接続ﾎﾞｰﾄﾞｲﾝ	To 基板名	番号
CN69	電源ユニット	EJ201	CN7	ﾊﾟﾈﾙ ﾛｼﾞｯｸ	
CN64	電源ユニット	EJ202	CN23	ﾊﾟﾈﾙ Xsus	
CN65	電源ユニット	EJ203	CN33	ﾊﾟﾈﾙ Ysus	
CN67	電源ユニット	EJ204	CN42	ﾊﾟﾈﾙ R-ADR	
CN66	電源ユニット	EJ205	CN52	ﾊﾟﾈﾙ L-ADR	
CN68	電源ユニット	EJ206	CN6	ﾊﾟﾈﾙ ﾛｼﾞｯｸ	
⚠ PAS#3	SP 端子 L	EAS1	PAS1	信号/音声	
⚠ PAS#4	SP 端子 R	EAS2	PAS2	信号/音声	
PSC2	LED	ESG2	PSC2	信号/音声	
CN1	ﾊﾟﾈﾙ ﾛｼﾞｯｸ	EDS	PDS	信号/音声	
CN63	電源ユニット	ESU	PSU	信号/音声	
CNPPS	電源ユニット	EPS	PPS	信号/音声	
CNPPA	電源ユニット	EPA	PPA	信号/音声	
CN61	電源ユニット	EPU1	PPU1	フィルタ	
⚠ PPU2 (E901)	インレット	E1	PPU2	フィルタ	
—	AC スイッチ	ESW	PSW	フィルタ	単個作業要
(E902)	(インレット)	E902	—	シャシ金具	
—	ﾊﾟﾈﾙﾓｼﾞｭｰﾙ	E906	—	シャシ金具	

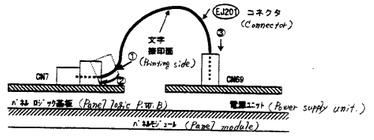
From Connection	From P.W.B	To 接続cable	To Con. location	To P.W.B	Remarks
CN69	Power Supply Unit	EJ201	CN7	Panel logic	
CN64	〃	EJ202	CN23	Panel Xsus	
CN65	〃	EJ203	CN33	Panel Ysus	
CN67	〃	EJ204	CN42	Panel R-ADR	
CN66	〃	EJ205	CN52	Panel L-ADR	
CN68	〃	EJ206	CN6	Panel logic	
⚠ PAS#3	SP/T - L	EAS1	PAS1	Signal/Sound	
⚠ PAS#4	SP/T - R	EAS2	PAS2	〃	
PSC2	LED	ESG2	PSC2	〃	
CN1	Panel logic	EDS	PDS	〃	
CN63	Power Supply Unit	ESU	PSU	〃	
CNPPS	〃	EPS	PPS	〃	
CNPPA	〃	EPA	PPA	〃	
CN61	〃	EPU1	PPU1	Filter	
⚠ PPU2 (E901)	Inlet	⚠ E1	PPU2	〃	
—	AC switch	ESW	PSW	〃	Separate work
(E902)	Inlet	E902	—	Chassis frame	
—	Panel module	E906	—	〃	

5. ネジ止めによるラグ端子ケーブル(E901, E906)取り付けの詳細は総組 Ass'y 図(UG2290) による。⚠UG3360 (The detail drawing of fixing the cable with the lug terminal (E901, E906) with the screw is shown in the final drawing (UG2290).) ⚠UG3360
6. 図中 (*1) 部のリードクランプは、線材または指定のフェライトコアを通した後確実にロックすること。(The lead clamp marked (*1) in this drawing should be locked firmly after fixing the wires on the ferrite cores into it.)
7. 図中 (*2) 個のリードホルダーは、線材を確実に内側に挿入すること。また、ロック機構のあるものは確実にロックすること。(The wires at the lead holder marked (*2) in this drawing should be firmly inside of it. And the lead holds with the lock mechanism should be certainly locked itself.)
8. フェライトコアを閉じる時は、コアの爪を確実に(クリック音がするまで) ロックさせること。(In closing the ferrite core, lock it firmly till it gose click.)

The printing side of the connector EJ201 should be faced to the panel module. And then,
(1). In unlocking CN7 (at the possision drown in a dotted line), insert the connector EJ201 toward CN7 in the direction of ① till it stops.
(2). Keeping on the condition (1), slide the lock part of CN7 toward ② and fix it.
(3). The other side of the connector EJ201 at the part of CN69 should be inserted toward ③ firmly till it stops.

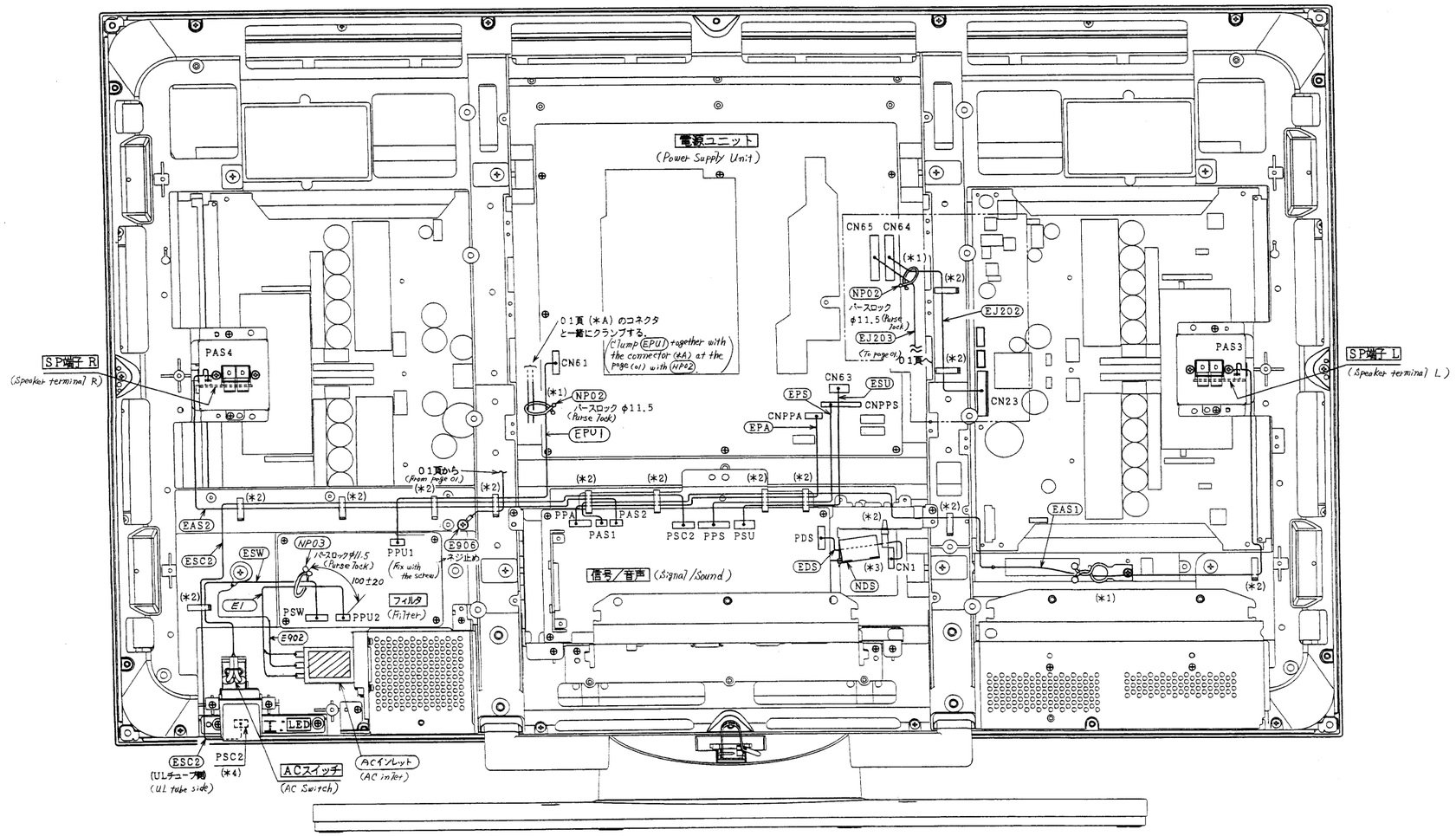
(*5) 部仕様 (Detail of (*5) part.)

EJ201コネクタは、文字捺印面をﾊﾟﾈﾙﾓｼﾞｭｰﾙ側にして、
(1) CN7 のロックを外した状態 (下図点線位置) で、下図の①方向に当たりがあるまで CN7 に挿入する。
(2) (1) の状態を保ちながら、CN7 のロックを②方向にｽﾗｲﾄﾞして固定する。
(3) CN69 側は下図の③方向に当たりがあるまでしっかりと挿入する。

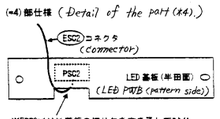


PT3-E/G CHASSIS WIRING DRAWING

42” Plasma Monitor Back

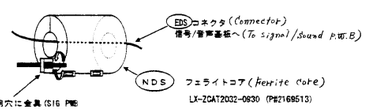


(＊4) 部仕様 (Detail of the part (＊4))



※ESC2コネクタは基板の切り欠き内を通してｽﾙﾙ取りすること。
In wiring the connector (ESC2), draw out the connector leads of (ESC2) through the undercut portion of LED P.W.B.

(＊3) 部仕様 (Detail of the part (＊3))



フェライトコア固定用穴に金具 (SIG PWB MTL) の突起を挿入後、突起を 45°～90° 曲げてフェライトコアを固定すること。
After inserting the hole of the ferrite core for fixing its body into the projection part of the signal PWB metal, fix the ferrite core by turning down the projection part by 45°~90°.

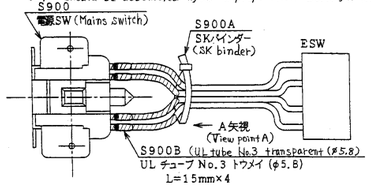
※コアを開いた状態で線材を通し、コアを閉じる。この時、コアの動合部分にコネクタを挟み込まないこと。
Opening the ferrite core into two parts, put the connector lead (EDS) on the one of the groove of them. After that lock the separated core each other. At that time, don't sandwich the connector leads in between these cores.

PT3-E/G CHASSIS WIRING DRAWING

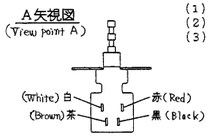
32” Plasma Monitor Front

準備作業 (Preparation Work)

1. S900は下記の準備作業を行った後ASS'Yのこと.
(S900 should be assembled after a preparation work for itself below.)



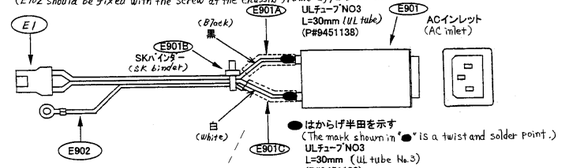
A矢視図
(View point A)

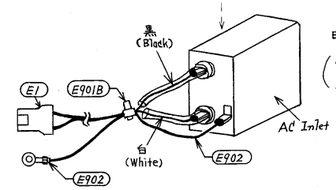


(1) 本図は電源SW上側より見た図である. (This drawing shows the top side view of the mains switch.)
(2) 図中 ● で示す部分はからげ半田付けのこと. (The mark shown in "●" is a twist and solder point.)
(3) ULチューブは電源SW端子根元まで挿入し、(Insert the UL tubes to the terminals of the mains switch till these stop at the base part of the mains terminals,) チューブ先端をSKバインダー止めのこと. (and fix the mains switch leads with the SK binder at the end of the UL tubes.)

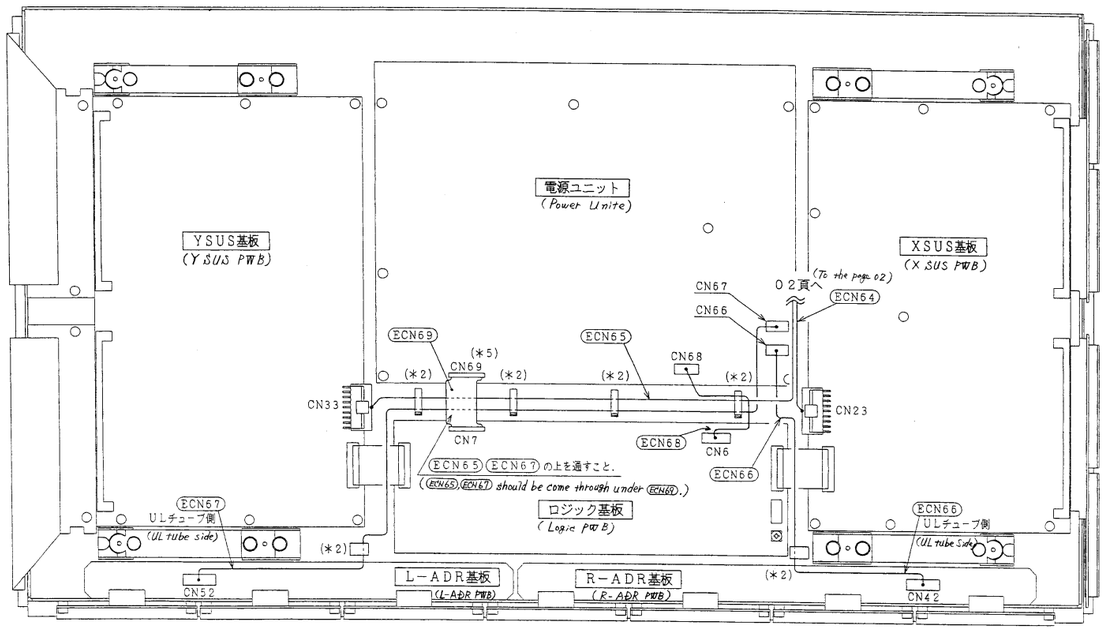
2.ACインレットAss'y (AC inlet Assy)

E902は下記Ass'yの後シャーシフレームに取り付けのこと
(E902 should be fixed with the screw at the chassis frame after below assembly.)



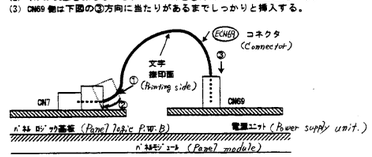


E902はAC-インレットの端子(中央の端子)にからげ半田後
E1 と共にSKバインダー(E901B)にて固定のこと。
(E902 should be fixed together with E1 with SK binder E901B after twisting and soldering E902 at the center terminal of AC inlet.)



(*5)部仕様 (Detail of (*5) part.)

ECN69コネクタは、文字面印面をパネルモジュール側にして、
(1) CN7 のロックを外した状態（下図点線位置）で、下図の①方向に当たりがあるまで CN7 に挿入する。
(2) (1)の状態を保ちながら、CN7 のロックを②方向にスライドして固定する。
(3) CN69 側は下図の③方向に当たりがあるまでしっかりと挿入する。



The printing side of the connector ECN69 should be faced to the panel module. And then,
(1). In unlocking CN7 (at the possision drown in a dotted line), insert the connector EJ201 toward CN7 in the direction of ① till it stops.
(2). Keeping on the condition (1), slide the lock part of CN7 toward ② and fix it.
(3). The other side of the connector EJ201 at the part of CN69 should be inserted toward ③ firmly till it stops.

PT3シャシ(32")総組布線図 仕様
(Specification for the final Assy wiring drawing for PT3 (32") chassis.)

1. 本図は、総組布線図を示し、本機種における配線の引き回しおよび接続は本図によること。(This drawing shows the final Assy wiring drawing. As to the wiring style and the location of the connector-wires, refer to this drawing.)
2. 本図はセット背面から見た図である。(This drawing shows the back side view of the set.)
3. ロック機構付きコネクタはしっかりロックされるまで、その他のコネクタはボストの根元まで挿入すること。(The connector with the lock mechanism should be locked together with its connector base tightly. The other connector should be inserted to the base of its post.)
4. コネクタの接続は下表による。(As to the connection location of the connectors, see below table.)

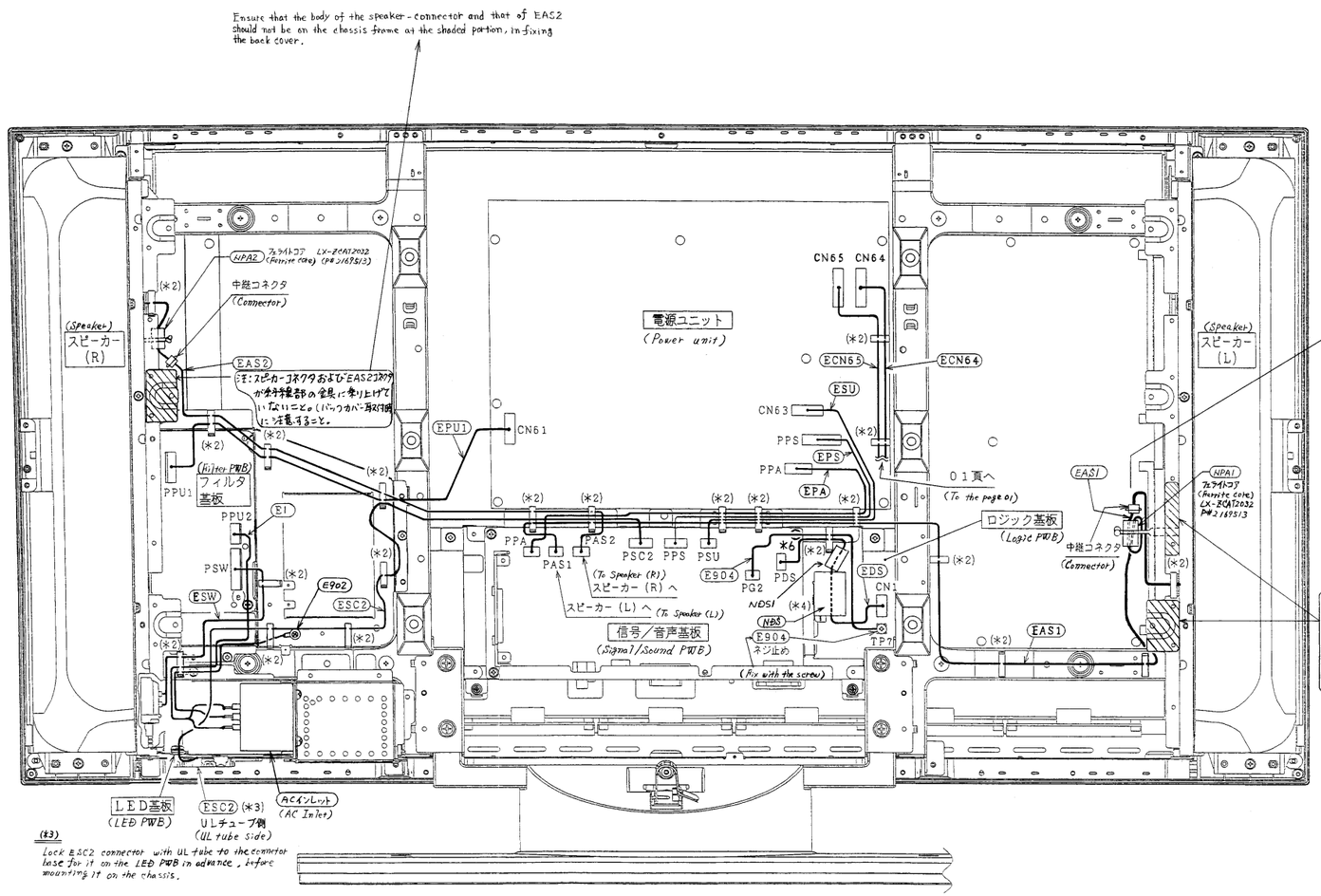
From 接続ポイント	From 基板名	接続 ケーブル	To 接続ポイント	To 基板名	備考
CN69	電源ユニット	ECN69	CN7	パネル ロジック	
CN64	電源ユニット	ECN64	CN23	パネル Xsus	
CN65	電源ユニット	ECN65	CN33	パネル Ysus	
CN67	電源ユニット	ECN67	CN52	パネル L-ADR	
CN66	電源ユニット	ECN66	CN42	パネル R-ADR	
CN68	電源ユニット	ECN68	CN6	パネル ロジック	
PAS1	SP(L)	EAS1	PAS1	信号/音声	
PAS2	SP(R)	EAS2	PAS2	信号/音声	
PSC2	LED	ESC2	PSC2	信号/音声	
CN1	パネル ロジック	EDS	PDS	信号/音声	
CN63	電源ユニット	ESU	PSU	信号/音声	
CNPPS	電源ユニット	EPS	PPS	信号/音声	
CNPPA	電源ユニット	EPA	PPA	信号/音声	
CN61	電源ユニット	EPU1	PPU1	フィルタ	
(E901)	インレット	E1	PPU2	フィルタ	
—	AC スイッチ	ESW	PSW	フィルタ	準備作業要
(E902)	インレット	E902	—	シャシ金具	
TP7	パネルロジック	E904	PG2	信号/音声	

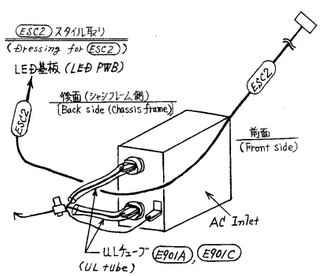
From 接続ポイント (Connection Point)	From P.W.B	Connection Cable	To 接続ポイント (Connection Point)	To P.W.B	Remarks
CN69	Power Unit	ECN69	CN7	Panel Logic	
CN64		ECN64	CN23	Panel Xsus	
CN65		ECN65	CN33	Panel Ysus	
CN67		ECN67	CN52	Panel L-ADR	
CN66		ECN66	CN42	Panel R-ADR	
CN68	Power Unit	ECN68	CN6	Panel Logic	
PAS1	SP(L)	EAS1	PAS1	Signal/Sound	
PAS2	SP(R)	EAS2	PAS2		
PSC2	LED	ESC2	PSC2		
CN1	Panel Logic	EDS	PDS		
CN63	Power Unit	ESU	PSU		
CNPPS		EPS	PPS		
CNPPA		EPA	PPA	Signal/Sound	
CN61	Paste Unit	EPU1	PPU1	Filter	
(E901)	In let	E1	PPU2	(	
—	AC Switch	ESW	PSW	Filter	Preventive Work
(E902)	In let	E902	—	Chassis frame	
TP7	Panel Logic	E904	PG2	Signal/Sound	

5. ネジ止めによるラグ端子ケーブル(E902, E904)取り付けの詳細は総組 Ass'y 図(UA3359)による。
(The detail drawing of fixing the cable with the lug terminal (E901-E906) with the screw is shown in the final drawing (UA3359).)
6. 図中(*1)部のリードクランプは、線材または指定のフェライトコアを通した後確実にロックすること。
(The lead clamp marked (*1) in this drawing should be locked firmly after letting the wires or the ferrite cores into it.)
7. 図中(*2)部のリードホルダーは、線材を確実に内側に挿入すること。また、ロック機構のあるものは確実にロックすること。
(The wires at the lead holder marked (*2) in this drawing should be firmly inside of it. And the lead holder with the lock mechanism should be certainly locked by itself.)
8. 図中(*2)部 ESC2 (LED 基板側)は、コネクタのULチューブ側を基板組込前に挿入すること。(02頁) (Detail of #3 ~ page 02)
(Lock ESC2 connector with UL tube to the connector base for it on the LED PWB in advance, before mounting it on the chassis.)
9. フェライトコアを閉じる時は、コアの爪を確実に（クリック音がするまで）ロックさせること。(In closing the ferrite core, lock it firmly till it gose click.)

PT3-E/G CHASSIS WIRING DRAWING

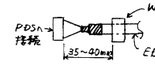
42” Plasma Monitor Back



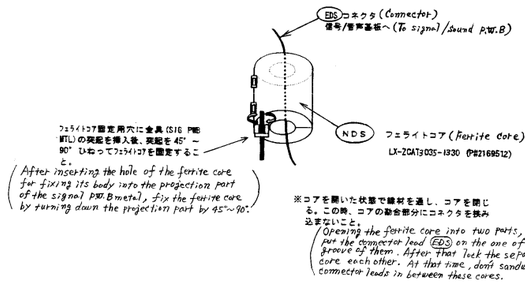


(The connector ESC2 should be pulled out of the back (chassis frame) side to the front side through the gap between UL tube E901A and E901C in advance as above, before mounting AC Inlet on the chassis frame.)
ESC2コネクタは、ACインレットをシャシフレームに取付ける前に、ULチューブ(E901A)と(E901C)との間を後面(シャシフレーム)側から前面側へ事前に引き出しておくこと。

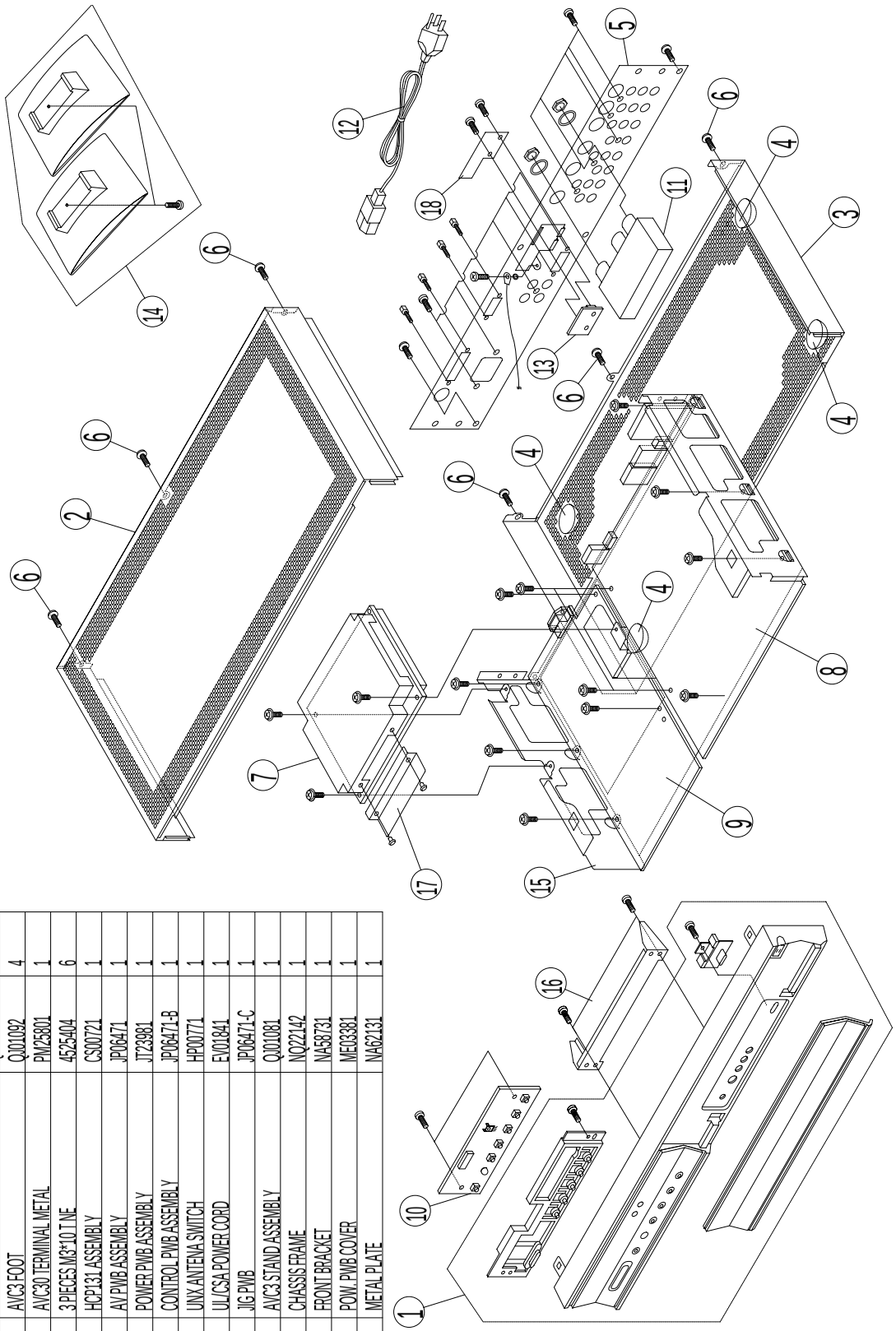
＊6部 コネクター EDSは、下図の位置をWIRE CLAMPにて固定し線材にストレスがかからない様、スタイルを取ること。



(Detail of *6 part.)
The connector EDS should be its lead with the wire clamp (*2) and dress it not to be given strength from the other part as above.


EDSコネクタ (Connector)
信号/音声基板へ (To signal/Sound P.W.B)
NDS
フェライトコア (Ferrite core)
LX-2CAT3035-1330 (PB2169512)
フェライトコア固定用穴に金具(SIG PWB material)の突起を挿入後、突起を45°~90°ひねってフェライトコアを固定すること。
(After inserting the hole of the ferrite core for fixing its body into the projection part of the signal PWB metal, fix the ferrite core by turning down the projection part by 45°~90°.)
※コアを開いた状態で線材を通し、コアを閉じる。この時、コアの融合部分にコネクタを挟み込まないこと。
(Opening the ferrite core into two parts, put the connector lead EDS on the one of the groove of them. After that lock the separated core each other. At that time, don't sandwich the connector leads in between these cores.)

EXPLODED VIEW
AVC50



AVC50/51 EXPLODED VIEW PARTS LIST

ITEM	DESCRIPTION	PART NO.	QTY.
1	FRONT PANEL ASSEMBLY	PH30943	1
2	TOP CASE AVC3	QA02642	1
3	AVC3 BOTTOM CASE	QA02612	1
4	AVC3 FOOT	QJ01092	4
5	AVC30 TERMINAL METAL	PM25801	1
6	3 PIECES M3*10 T.NE	4525404	6
7	HCP131 ASSEMBLY	CS00721	1
8	AV PWB ASSEMBLY	JP06471	1
9	POWER PWB ASSEMBLY	JT23981	1
10	CONTROL PWB ASSEMBLY	JP06471-B	1
11	UNX ANTENA SWITCH	HP00771	1
12	UL/CSA POWER CORD	EV01841	1
13	JIG PWB	JP06471-C	1
14	AVC3 STAND ASSEMBLY	QJ01081	1
15	CHASSIS FRAME	NQ22142	1
16	FRONT BRACKET	NA58731	1
17	POW. PWB COVER	ME03381	1
18	METAL PLATE	NA62131	1

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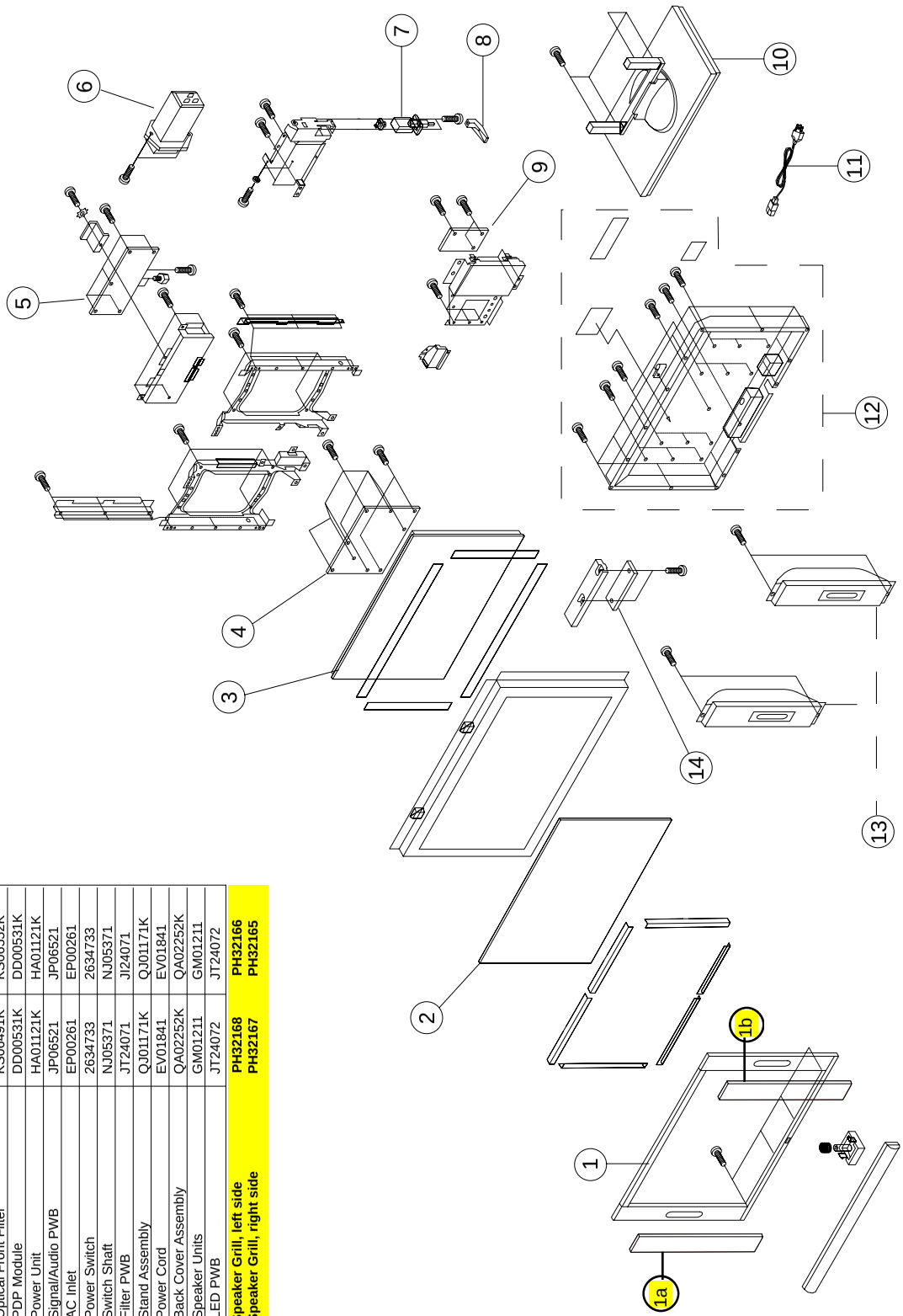
EXPLODED VIEW
Plasma Monitor 32HDT50M/32HDT55M

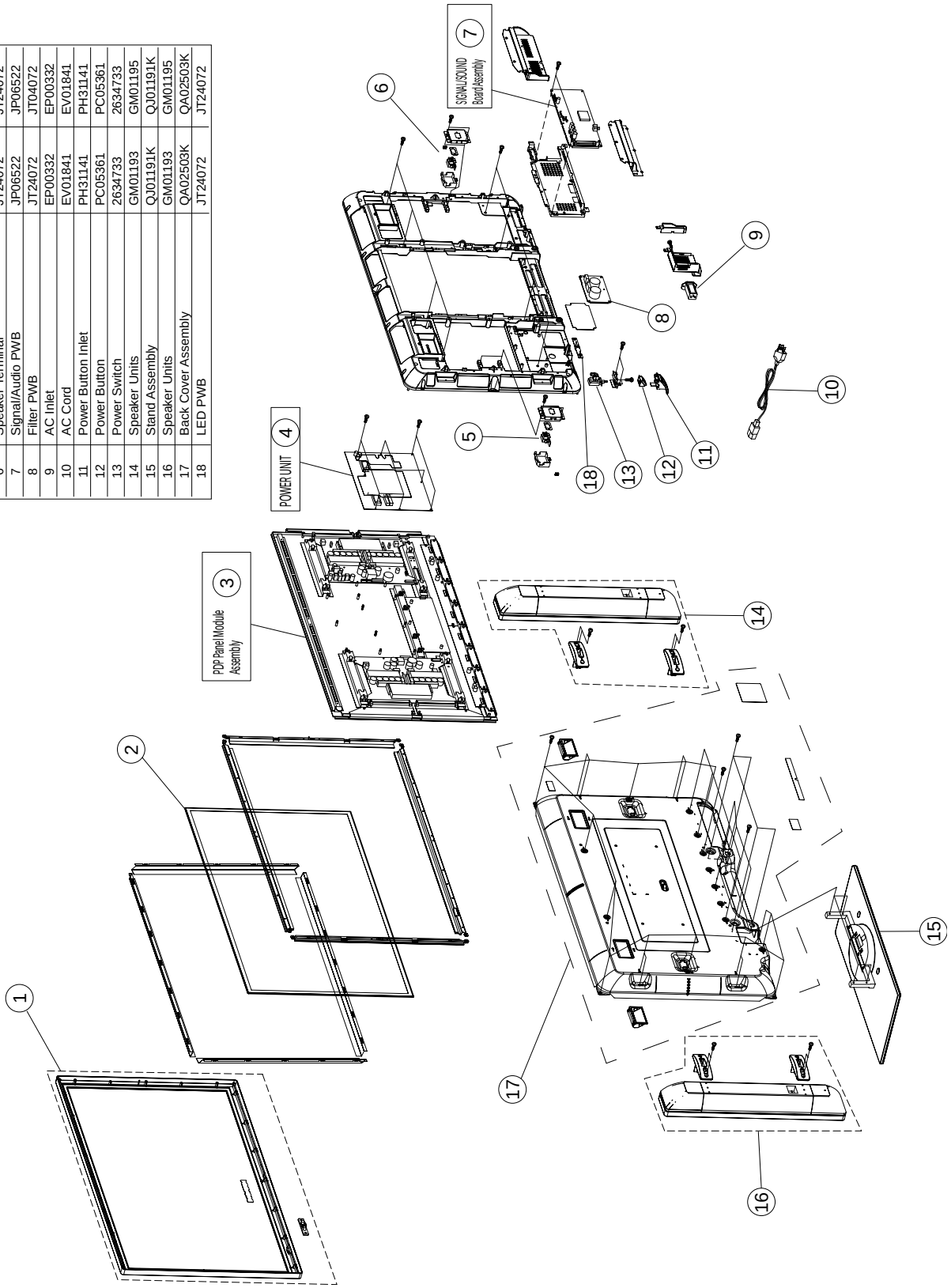


ITEM	DESCRIPTION	32HDT50M	32HDT55M
1	Bezel Assembly	QD35266K	QD35267K
2	Optical Front Filter	KS06491K	KS06552K
3	PDP Module	DD00531K	DD00531K
4	Power Unit	HA01121K	HA01121K
5	Signal/Audio PWB	JP06521	JP06521
6	AC Inlet	EP00261	EP00261
7	Power Switch	2634733	2634733
8	Switch Shaft	NJ05371	NJ05371
9	Filter PWB	JT24071	JI24071
10	Stand Assembly	QJ01171K	QJ01171K
11	Power Cord	EV01841	EV01841
12	Back Cover Assembly	QA02252K	QA02252K
13	Speaker Units	GM01211	GM01211
14	LED PWB	JT24072	JT24072
1a	**Speaker Grill, left side**	**PH32168**	**PH32166**
1b	**Speaker Grill, right side**	**PH32167**	**PH32165**

CH 3

EXPLODED VIEW
Plasma Monitor 42HDT50M/42HDT55M

ITEM	DESCRIPTION	42HDT50M	42HDT55M
1	Frame Assembly	QD34904K	QD34905K
2	Front Filter	KS06492K	KS06551K
3	PDP Panel Module	DD00552K	DD00552K
4	Power Unit	HA01133K	HA01133K
5	Speaker Terminal	JT24072	JT24072
6	Speaker Terminal	JT24072	JT24072
7	Signal/Audio PWB	JP06522	JP06522
8	Filter PWB	JT24072	JT04072
9	AC Inlet	EP00332	EP00332
10	AC Cord	EV01841	EV01841
11	Power Button Inlet	PH31141	PH31141
12	Power Button	PC05361	PC05361
13	Power Switch	2634733	2634733
14	Speaker Units	GM01193	GM01195
15	Stand Assembly	QJ01191K	QJ01191K
16	Speaker Units	GM01193	GM01195
17	Back Cover Assembly	QA02503K	QA02503K
18	LED PWB	JT24072	JT24072



REPLACEMENT PARTS LIST

PRODUCT SERVICE NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

ABBREVIATIONS

Capacitors:
- AL: Aluminum Electrolytic
- CD: Ceramic Disc
- EL: Electrolitic
- PF: Polyester Film
- PP: Polypropylene
- PL: Plastic
- TA: Tantalum
- PR: Paper
- TM: Trimmer
- MC: Mylar

Resistors:
- CF: Carbon Film
- CC: Carbon Composition
- MF: Metal Oxide
- VR: Variable Resistor
- WW: Wire Wound
- FR: Fuse Resistor
- MG: Metal Grazed

Semiconductors:
- TR: Transistor
- DI: Diode
- ZD: Zener Diode
- VA: Varistor
- TH: Termistor
- IC: Integrated Circuit

Audio Video Control PWB JP06471

SYMBOL NO.	PART NO.	PART DESCRIPTION
		CAPACITORS
C001	0800326R	CAP.-ELECTRO. 100UF-M 16V
C002	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C003	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE
C004	0800279R	CAP.-ELECTORO. 1.0UF-M(SMG) 50V
C005	0893131R	CAP 1608CHIP 220PFJCH 50V TAPE
C008	0893104R	CAP 1608CHIP 2PFCCK 50V TAPE
C009	0893245R	CAP 1608CHIP 15000PFKB 50V TAPE
C013	AA01802R	CCC103K50-B-16CT MCH18
C014	AA01802R	CCC103K50-B-16CT MCH18
C015	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE
C016	0893131R	CAP 1608CHIP 220PFJCH 50V TAPE
C017	0800279R	CAP.-ELECTORO. 1.0UF-M(SMG) 50V
C018	0893204R	CAP 1608CHIP 470PFKB 50V TAPE
C019	0893204R	CAP 1608CHIP 470PFKB 50V TAPE
C020	0800326R	CAP.-ELECTRO. 100UF-M 16V
C021	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C022	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C023	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C024	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C025	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C026	0800326R	CAP.-ELECTRO. 100UF-M 16V
C027	0800326R	CAP.-ELECTRO. 100UF-M 16V
C084	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C085	AA01814R	CCC333K50-B-16CT
C086	AA01814R	CCC333K50-B-16CT
C087	AA01802R	CCC103K50-B-16CT MCH18
C101	0800352R	CAP.-ELECTRO.470UF 10V
C102	AA01802R	CCC103K50-B-16CT MCH18
C105	AA01802R	CCC103K50-B-16CT MCH18
C107	AA01802R	CCC103K50-B-16CT MCH18
C108	0800352R	CAP.-ELECTRO.470UF 10V
C109	AA01802R	CCC103K50-B-16CT MCH18
C110	0800352R	CAP.-ELECTRO.470UF 10V
C111	AA01802R	CCC103K50-B-16CT MCH18
C114	AA01802R	CCC103K50-B-16CT MCH18
C116	AA01802R	CCC103K50-B-16CT MCH18
C117	0800352R	CAP.-ELECTRO.470UF 10V
C118	AA01802R	CCC103K50-B-16CT MCH18
C119	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C120	0800326R	CAP.-ELECTRO. 100UF-M 16V
C202	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C204	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C205	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C206	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C207	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C208	AA01802R	CCC103K50-B-16CT MCH18
C209	AA01802R	CCC103K50-B-16CT MCH18
C210	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C211	0800326R	CAP.-ELECTRO. 100UF-M 16V
C212	0893205R	CAP 1608CHIP 560PFKB 50V TAPE
C214	0800279R	CAP.-ELECTORO. 1.0UF-M(SMG) 50V
C215	0893205R	CAP 1608CHIP 560PFKB 50V TAPE
C217	0800279R	CAP.-ELECTORO. 1.0UF-M(SMG) 50V
C218	0800326R	CAP.-ELECTRO. 100UF-M 16V
C219	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C222	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C223	0800326R	CAP.-ELECTRO. 100UF-M 16V
C224	0893213R	CAP1608CHIP 2200PFKB 50V TAPE
C225	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C227	0800318R	CAP.-ELECTRO. 47UF-M 25V
C228	0893133R	CAP 1608CHIP 330PFJCH 50V TAPE
C229	AA01101R	CERAMIC CAPACITOR(1UF 10V-F)
C230	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)

NOTE: The above listed parts are for the AVC unit only.

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
C231	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	C425	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C232	0800326R	CAP.-ELECTRO. 100UF-M 16V	C426	0800352R	CAP.-ELECTRO.470UF 10V
C234	0800318R	CAP.-ELECTRO. 47UF-M 25V	C427	0800344R	CAP.-ELECTRO. 330UF-M(SMG) 16V
C235	0893133R	CAP 1608CHIP 330PFJCH 50V TAPE	C428	0800309R	CAP.-ELECTRO 33UF-M(SMG) 25V
C236	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	C907	0800326R	CAP.-ELECTRO. 100UF-M 16V
C237	AA01101R	CERAMIC CAPACITOR(1UF 10V-F)	C909	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C238	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	C910	AA01814R	CCC333K50-B-16CT
C239	0800326R	CAP.-ELECTRO. 100UF-M 16V	C911	0800326R	CAP.-ELECTRO. 100UF-M 16V
C241	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	C913	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C242	0800326R	CAP.-ELECTRO. 100UF-M 16V	C914	0800326R	CAP.-ELECTRO. 100UF-M 16V
C243	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	C916	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C244	0893217R	CAP 1608CHIP 4700PFKB 50V TAPE	C917	0800326R	CAP.-ELECTRO. 100UF-M 16V
C252	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	C919	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C253	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	C920	0800326R	CAP.-ELECTRO. 100UF-M 16V
C254	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	C922	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C255	0800326R	CAP.-ELECTRO. 100UF-M 16V	C923	0800326R	CAP.-ELECTRO. 100UF-M 16V
C256	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	C925	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C257	AA01814R	CCC333K50-B-16CT	C926	0800326R	CAP.-ELECTRO. 100UF-M 16V
C258	AA01814R	CCC333K50-B-16CT	C928	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C259	AA00931R	CAP. CERAMIC 2012 (1UF 10V)	C929	0800326R	CAP.-ELECTRO. 100UF-M 16V
C260	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	CJ03	0800326R	CAP.-ELECTRO. 100UF-M 16V
C261	AA01814R	CCC333K50-B-16CT	CJ04	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C262	AA01814R	CCC333K50-B-16CT	CJ09	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C263	AA00931R	CAP. CERAMIC 2012 (1UF 10V)	CJ10	AA01802R	CCC103K50-B-16CT MCH18
C268	0893217R	CAP 1608CHIP 4700PFKB 50V TAPE	CJ11	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE
C269	AA01802R	CCC103K50-B-16CT MCH18	CJ12	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE
C270	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CJ13	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE
C271	AA01802R	CCC103K50-B-16CT MCH18	CJ14	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C272	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE	CJ16	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C273	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE	CJ17	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C274	0800326R	CAP.-ELECTRO. 100UF-M 16V	CJ18	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C275	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	CJ19	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C404	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CJ20	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C404A	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CJ21	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C405	0800317R	CAP.-ELECTRO. 47UF-M(SMG) 16V	CJ22	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C406	0800326R	CAP.-ELECTRO. 100UF-M 16V	CJ23	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C407	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	CJ24	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C408	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	CJ25	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C409	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CJ26	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C409A	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CJ27	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C410	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CJ28	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C410A	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CJ29	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C411	0284634R	CAP.-ELECTRO 4.7UF-SME(BP) 50V	CJ30	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C411A	0284634R	CAP.-ELECTRO 4.7UF-SME(BP) 50V	CJ31	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C412	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CJ32	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C412A	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CJ33	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C413	0800288R	CAP.-ELECTRO. 4.7UF-M(SMG) 50V	CJ34	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C414	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	CJ35	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C415	0800326R	CAP.-ELECTRO. 100UF-M 16V	CJ36	0800326R	CAP.-ELECTRO. 100UF-M 16V
C416	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CJ37	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C417	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CJ38	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C418	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	CJ39	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C419	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CJ40	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C419A	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CJ41	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C420	0800352R	CAP.-ELECTRO.470UF 10V	CJ42	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C420A	0800352R	CAP.-ELECTRO.470UF 10V	CJ43	0800318R	CAP.-ELECTRO. 47UF-M 25V
C421	0800326R	CAP.-ELECTRO. 100UF-M 16V	CJ44	0893232R	CAP 1608CHIP 100000PFZF25V TAPE
C422	0893232R	CAP 1608CHIP 100000PFZF25V TAPE	CJ45	0800326R	CAP.-ELECTRO. 100UF-M 16V
C423	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CJ46	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)
C424	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CJ47	AA01814R	CCC333K50-B-16CT

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
CJ48	0800326R	CAP.-ELECTRO. 100UF-M 16V	CW20	AA01814R	CCC333K50-B-16CT
CJ49	AA01814R	CCC333K50-B-16CT	CW21	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
CJ50	0800358R	CAP.-ELECTRO. 1000UF-M 6.3V	CW22	AA01814R	CCC333K50-B-16CT
CJ51	AA01814R	CCC333K50-B-16CT	CW23	AA01814R	CCC333K50-B-16CT
CM01	AD00428R	CEC101M10-EWCT	CW24	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)
CM02	AA01802R	CCC103K50-B-16CT MCH18	CW26	AA01802R	CCC103K50-B-16CT MCH18
CM25	AA01802R	CCC103K50-B-16CT MCH18	CW27	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
CM26	AD00428R	CEC101M10-EWCT	CW28	0893119R	CAP 1608CHIP 33PFJCH 50V TAPE
CM27	0893131R	CAP 1608CHIP 220PFJCH 50V TAPE	CW29	0800326R	CAP.-ELECTRO. 100UF-M 16V
CM28	AA01814R	CCC333K50-B-16CT	CW30	0893111R	CAP 1608CHIP 8PFCCH 50V TAPE
CM29	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE	CW31	AA01802R	CCC103K50-B-16CT MCH18
CM30	AA00422R	CERAMIC CAPACITOR(10UF 16V)	CW32	AA01814R	CCC333K50-B-16CT
CM31	AA00358R	CAP 3216 CHIP 1.0UFKB 16V TAPE	CW33	0893119R	CAP 1608CHIP 33PFJCH 50V TAPE
CM32	AD00439R	CEC470M16-EWCT	CW34	0800326R	CAP.-ELECTRO. 100UF-M 16V
CRX76	0893245R	CAP 1608CHIP 15000PFKB 50V TAPE	CW39	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)
CV01	AA01802R	CCC103K50-B-16CT MCH18	CW40	AA00964R	CERAMIC CAPACITOR(2.2UF 6.3V)
CV02	0800326R	CAP.-ELECTRO. 100UF-M 16V	CW41	AA01814R	CCC333K50-B-16CT
CV03	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CW42	0800326R	CAP.-ELECTRO. 100UF-M 16V
CV05	0893111R	CAP 1608CHIP 8PFCCH 50V TAPE	CW43	AA01814R	CCC333K50-B-16CT
CV06	AA01802R	CCC103K50-B-16CT MCH18	CW44	0800326R	CAP.-ELECTRO. 100UF-M 16V
CV08	AA01802R	CCC103K50-B-16CT MCH18	CW45	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE
CV09	0800326R	CAP.-ELECTRO. 100UF-M 16V	CW48	0800326R	CAP.-ELECTRO. 100UF-M 16V
CV10	AA01802R	CCC103K50-B-16CT MCH18	CW49	AA01814R	CCC333K50-B-16CT
CV11	AA01802R	CCC103K50-B-16CT MCH18	CW50	0893115R	CAP 1608CHIP 15PFJCH 50V TAPE
CV12	AA01802R	CCC103K50-B-16CT MCH18	CW51	0893123R	CAP 1608CHIP 56PFJCH 50V TAPE
CV13	0800326R	CAP.-ELECTRO. 100UF-M 16V	CW52	0893115R	CAP 1608CHIP 15PFJCH 50V TAPE
CV14	AA01802R	CCC103K50-B-16CT MCH18	CW53	AA01814R	CCC333K50-B-16CT
CV15	AA01802R	CCC103K50-B-16CT MCH18	CW54	AA01814R	CCC333K50-B-16CT
CV16	AA01802R	CCC103K50-B-16CT MCH18	CW55	AA01814R	CCC333K50-B-16CT
CV17	AA01814R	CCC333K50-B-16CT	CW56	0800326R	CAP.-ELECTRO. 100UF-M 16V
CV18	0800352R	CAP.-ELECTRO.470UF 10V	CW57	AA01814R	CCC333K50-B-16CT
CV19	0893129R	CAP 1608CHIP 180PFJCH 50V TAPE	CW58	0800326R	CAP.-ELECTRO. 100UF-M 16V
CV20	AA01802R	CCC103K50-B-16CT MCH18	CW59	AA01814R	CCC333K50-B-16CT
CV21	0893127R	CAP 1608CHIP 120PFJCH 50V TAPE	CW60	AA01814R	CCC333K50-B-16CT
CV22	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CW61	AA01802R	CCC103K50-B-16CT MCH18
CV23	0800318R	CAP.-ELECTRO. 47UF-M 25V	CW62	AA01814R	CCC333K50-B-16CT
CV24	0893118R	CAP 1608CHIP 27PFJCH 50V TAPE	CW63	0800326R	CAP.-ELECTRO. 100UF-M 16V
CV25	0893115R	CAP 1608CHIP 15PFJCH 50V TAPE	CW64	AA01814R	CCC333K50-B-16CT
CV26	0893111R	CAP 1608CHIP 8PFCCH 50V TAPE	CW65	AA01814R	CCC333K50-B-16CT
CV27	AA01814R	CCC333K50-B-16CT	CW66	AA01814R	CCC333K50-B-16CT
CV28	0800326R	CAP.-ELECTRO. 100UF-M 16V	CX01	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)
CW01	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CX02	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)
CW02	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CX03	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)
CW03	0893115R	CAP 1608CHIP 15PFJCH 50V TAPE	CX04	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)
CW04	0893123R	CAP 1608CHIP 56PFJCH 50V TAPE	CX05	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)
CW05	0893115R	CAP 1608CHIP 15PFJCH 50V TAPE	CX06	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)
CW06	AA00362R	CAP.CHIP-CERAMIC 2.2UF 16V TAPE	CX07	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)
CW07	AA00362R	CAP.CHIP-CERAMIC 2.2UF 16V TAPE	CX08	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)
CW08	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CX09	AA01814R	CCC333K50-B-16CT
CW09	AA01802R	CCC103K50-B-16CT MCH18	CX10	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)
CW10	0800326R	CAP.-ELECTRO. 100UF-M 16V	CX11	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)
CW11	AA01802R	CCC103K50-B-16CT MCH18	CX12	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)
CW12	AA00358R	CAP 3216 CHIP 1.0UFKB 16V TAPE	CX13	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)
CW13	0893204R	CAP 1608CHIP 470PFKB 50V TAPE	CX14	AA01814R	CCC333K50-B-16CT
CW14	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CX15	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
CW15	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CX16	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
CW16	AA01814R	CCC333K50-B-16CT	CX17	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
CW17	AA01814R	CCC333K50-B-16CT	CX18	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
CW18	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CX19	0800326R	CAP.-ELECTRO. 100UF-M 16V
CW19	AA01814R	CCC333K50-B-16CT	CX20	AA01814R	CCC333K50-B-16CT

NOTE: The above listed parts are for the AVC unit only.

CH 1

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
CX21	0800352R	CAP.-ELECTRO.470UF 10V	CXC4	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)
CX22	0800352R	CAP.-ELECTRO.470UF 10V	CXD4	AA01814R	CCC333K50-B-16CT
CX23	AA01802R	CCC103K50-B-16CT MCH18	CXD5	0800326R	CAP.-ELECTRO. 100UF-M 16V
CX28	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CXE4	0800326R	CAP.-ELECTRO. 100UF-M 16V
CX29	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CXE5	AA01814R	CCC333K50-B-16CT
CX30	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CXE6	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)
CX31	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ01	0800353R	CAP.-ELECTRO.470UF-M 16V
CX32	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CZ02	AA01814R	CCC333K50-B-16CT
CX33	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CZ03	AA01814R	CCC333K50-B-16CT
CX36	AA01814R	CCC333K50-B-16CT	CZ04	AA01814R	CCC333K50-B-16CT
CX37	AA01814R	CCC333K50-B-16CT	CZ05	AA01814R	CCC333K50-B-16CT
CX38	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CZ06	0800279R	CAP.-ELECTORO. 1.0UF-M(SMG) 50V
CX39	0800326R	CAP.-ELECTRO. 100UF-M 16V	CZ07	AA01802R	CCC103K50-B-16CT MCH18
CX40	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V	CZ10	AA01814R	CCC333K50-B-16CT
CX42	AA01814R	CCC333K50-B-16CT	CZ11	0800326R	CAP.-ELECTRO. 100UF-M 16V
CX43	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ12	AA01814R	CCC333K50-B-16CT
CX44	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CZ13	AA01814R	CCC333K50-B-16CT
CX45	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CZ14	AA01814R	CCC333K50-B-16CT
CX46	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ15	AA01802R	CCC103K50-B-16CT MCH18
CX49	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ16	0800326R	CAP.-ELECTRO. 100UF-M 16V
CX52	AA01814R	CCC333K50-B-16CT	CZ17	AA01814R	CCC333K50-B-16CT
CX53	0800326R	CAP.-ELECTRO. 100UF-M 16V	CZ18	0800282R	CAP.-ELECTORO. 2.2UF-M(SMG) 50V
CX54	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ19	0893213R	CAP1608CHIP 2200PFKB 50V TAPE
CX55	AA01814R	CCC333K50-B-16CT	CZ20	0893114R	CAP 1608CHIP 12PFJCH 50V TAPE
CX56	AA01814R	CCC333K50-B-16CT	CZ21	AA01814R	CCC333K50-B-16CT
CX83	0893131R	CAP 1608CHIP 220PFJCH 50V TAPE	CZ22	0800353R	CAP.-ELECTRO.470UF-M 16V
CX84	0893131R	CAP 1608CHIP 220PFJCH 50V TAPE	CZ23	AA01814R	CCC333K50-B-16CT
CX85	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE	CZ24	AA01814R	CCC333K50-B-16CT
CX86	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE	CZ25	AA01814R	CCC333K50-B-16CT
CX87	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE	CZ26	AA01814R	CCC333K50-B-16CT
CX88	0893208R	CAP 1608CHIP 1000PFKB 50V TAPE	CZ27	0800279R	CAP.-ELECTORO. 1.0UF-M(SMG) 50V
CX89	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ28	AA01802R	CCC103K50-B-16CT MCH18
CX90	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ31	AA01814R	CCC333K50-B-16CT
CX91	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ32	AA01814R	CCC333K50-B-16CT
CX92	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ33	AA01814R	CCC333K50-B-16CT
CX93	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ34	AA01802R	CCC103K50-B-16CT MCH18
CX94	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ35	0800326R	CAP.-ELECTRO. 100UF-M 16V
CX95	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ36	0800282R	CAP.-ELECTORO. 2.2UF-M(SMG) 50V
CX96	AA00951R	CERAMIC CAPACITOR(1.0UF 16V)	CZ37	0893213R	CAP1608CHIP 2200PFKB 50V TAPE
CX99	0800326R	CAP.-ELECTRO. 100UF-M 16V	CZ38	0893114R	CAP 1608CHIP 12PFJCH 50V TAPE
CXA1	AA01814R	CCC333K50-B-16CT	CZ39	AA01814R	CCC333K50-B-16CT
CXA2	AA01814R	CCC333K50-B-16CT	CZ40	AA01814R	CCC333K50-B-16CT
CXA3	AA01814R	CCC333K50-B-16CT	CZ41	AA01802R	CCC103K50-B-16CT MCH18
CXA4	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ42	0893123R	CAP 1608CHIP 56PFJCH 50V TAPE
CXA5	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ43	AA01814R	CCC333K50-B-16CT
CXA6	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ44	AA01802R	CCC103K50-B-16CT MCH18
CXA7	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ45	0800326R	CAP.-ELECTRO. 100UF-M 16V
CXA8	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	CZ46	AA01814R	CCC333K50-B-16CT
CXB1	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ47	AA01802R	CCC103K50-B-16CT MCH18
CXB2	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ48	0893123R	CAP 1608CHIP 56PFJCH 50V TAPE
CXB3	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ49	AA01814R	CCC333K50-B-16CT
CXB4	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ50	AA01802R	CCC103K50-B-16CT MCH18
CXB5	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ60	AA01814R	CCC333K50-B-16CT
CXB6	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ62	AA01814R	CCC333K50-B-16CT
CXB7	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ63	0893114R	CAP 1608CHIP 12PFJCH 50V TAPE
CXB8	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ64	AA01814R	CCC333K50-B-16CT
CXB9	AA01814R	CCC333K50-B-16CT	CZ65	AA01814R	CCC333K50-B-16CT
CXC1	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ66	AA01814R	CCC333K50-B-16CT
CXC2	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ67	AA01814R	CCC333K50-B-16CT
CXC3	AA00966R	CERAMIC CAPACITOR(4.7UF 6.3V)	CZ68	AA01814R	CCC333K50-B-16CT

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SYMBOL NO.	PART NO.	PART DESCRIPTION
CZ69	0800326R	CAP.-ELECTRO. 100UF-M 16V
CZ70	AA01814R	CCC333K50-B-16CT
CZ71	AA01814R	CCC333K50-B-16CT
CZ72	AA01814R	CCC333K50-B-16CT
CZ73	AA01814R	CCC333K50-B-16CT
CZ77	0800326R	CAP.-ELECTRO. 100UF-M 16V
CZ78	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ79	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ80	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ81	0893213R	CAP1608CHIP 2200PFKB 50V TAPE
CZ82	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ83	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ84	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ85	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ86	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ87	AA01814R	CCC333K50-B-16CT
CZ88	0800326R	CAP.-ELECTRO. 100UF-M 16V
CZ89	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZ90	0893118R	CAP 1608CHIP 27PFJCH 50V TAPE
CZ91	0893125R	CAP 1608CHIP 82PFJCH 50V TAPE
CZ92	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE
CZ93	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE
CZ94	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE
CZ95	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE
CZ96	0800326R	CAP.-ELECTRO. 100UF-M 16V
CZ97	AA01814R	CCC333K50-B-16CT
CZ98	0893126R	CAP 1608CHIP 100PFJCH 50V TAPE
CZ99	0893213R	CAP1608CHIP 2200PFKB 50V TAPE
CZA1	AA01814R	CCC333K50-B-16CT
CZA2	AA01814R	CCC333K50-B-16CT
CZA3	AA01814R	CCC333K50-B-16CT
CZA4	AA01814R	CCC333K50-B-16CT
CZA5	AA01814R	CCC333K50-B-16CT
CZA6	AA01814R	CCC333K50-B-16CT
CZA7	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZA8	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZA9	AA01151R	CERAMIC CAPACITOR(10UF 10V)
CZB1	0800326R	CAP.-ELECTRO. 100UF-M 16V
CZB2	AA01814R	CCC333K50-B-16CT
CZB3	AA01814R	CCC333K50-B-16CT
CZB4	AA01814R	CCC333K50-B-16CT
CZB5	AA01814R	CCC333K50-B-16CT
CZB6	0893125R	CAP 1608CHIP 82PFJCH 50V TAPE
CZB7	AA01814R	CCC333K50-B-16CT
		DIODES
D101	2339971M	ZENER HZS33-1 TA
D102	2339971M	ZENER HZS33-1 TA
D201	CH02021M	DIODE 1SS133 T-72
D202	CH02021M	DIODE 1SS133 T-72
D203	CH02021M	DIODE 1SS133 T-72
D205	CH02021M	DIODE 1SS133 T-72
D206	CH02021M	DIODE 1SS133 T-72
D207	CH02021M	DIODE 1SS133 T-72
D208	CH02021M	DIODE 1SS133 T-72
D209	CH02021M	DIODE 1SS133 T-72
D210	CH02021M	DIODE 1SS133 T-72
D211	CH02021M	DIODE 1SS133 T-72
D401	2331771M	ZENER HZ-3A1 TAPE
D401A	2331771M	ZENER HZ-3A1 TAPE
D402	CH02021M	DIODE 1SS133 T-72
D403	2331771M	ZENER HZ-3A1 TAPE
D403A	2331771M	ZENER HZ-3A1 TAPE
D404	2348112M	ZENER DIODE MTZ-J5.6B
D405	CH02021M	DIODE 1SS133 T-72
D406	CH02021M	DIODE 1SS133 T-72
D407	2344041M	DIODE1SS254TA/1SS270TA
D408	CH02021M	DIODE 1SS133 T-72
DJ01	2331849M	ZENER HZ12C3 (TA) SI 500MW
DJ02	2331849M	ZENER HZ12C3 (TA) SI 500MW
DJ03	2331849M	ZENER HZ12C3 (TA) SI 500MW
DJ04	CC10721R	DIODE CHIP DA204K-TPTX
DJ05	CC10721R	DIODE CHIP DA204K-TPTX
DJ06	CC10721R	DIODE CHIP DA204K-TPTX
DJ07	CC10721R	DIODE CHIP DA204K-TPTX
DJ08	2344041M	DIODE1SS254TA/1SS270TA
DJ09	2331809M	ZENER DIODE HZ-6 TAPE (C3) SI 500MW
DJ10	2344041M	DIODE1SS254TA/1SS270TA
DJ11	2344041M	DIODE1SS254TA/1SS270TA
DJ12	2344041M	DIODE1SS254TA/1SS270TA
DJ13	CC10721R	DIODE CHIP DA204K-TPTX
DJ14	CC10721R	DIODE CHIP DA204K-TPTX
DJ15	CC10721R	DIODE CHIP DA204K-TPTX
DJ16	CC10721R	DIODE CHIP DA204K-TPTX
DM01	CH02031R	DIODE SPR-505MVW
DM02	CH02721	PHOTO DIODE PNZ313B
DM14	2344041M	DIODE1SS254TA/1SS270TA
DX01	2331771M	ZENER HZ-3A1 TAPE
DX02	2331771M	ZENER HZ-3A1 TAPE
DX03	CH02021M	DIODE 1SS133 T-72
DX06	CH02021M	DIODE 1SS133 T-72
DX07	CH02021M	DIODE 1SS133 T-72
DZ01	CH02021M	DIODE 1SS133 T-72
DZ02	CH02021M	DIODE 1SS133 T-72
DZ03	CH02021M	DIODE 1SS133 T-72
DZ04	CH02021M	DIODE 1SS133 T-72
		UNITS
HM01	CZ01091	GP1UA261XK
U101	HC00512	F/E ENGE6106DR
U102	HC00463	F/E ENG36614GR
		INTEGRATED CIRCUITS
I001	CK38641U	IC M306V7FHFP-FLASH
I002	CK37051R	ANALOG MONOLITHIC IC(BD4729G)
I003	CK35894R	IC CAT24WC32J1
I004	CK31992R	IC BU4053BCF
I201	CK31992R	IC BU4053BCF
I202	CK37412U	IR BLASTER MASK S3C80F9XKN-QZR7
I203	CK32271R	DIGITAL MONOLITHIC IC (MC74VHCT244ADTR2)
I204	CK31992R	IC BU4053BCF
I206	CK32271R	DIGITAL MONOLITHIC IC (MC74VHCT244ADTR2)
I207	CK01172R	HD74HC221FPEL
I208	CK35893R	IC CAT24WC16J1
I401	CK31991R	ANALOG MONOLITHIC IC BU4052BCF-E2
I402	CP02601	AN5285K
I403	CK31031R	IC BA3530FS-E2
I904	CK37212R	MONO IC TK11125CSCL
I905	CK37194R	MONO IC SI-3050LSA-TL
I906	CK37194R	MONO IC SI-3050LSA-TL

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
Q227	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW03	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q228	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW04	CA11271R	TRS 2SA1037AK T146 RS
Q229	CF02781R	TRS. KTC200YAT	QW05	CA11271R	TRS 2SA1037AK T146 RS
Q231	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW06	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q232	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW07	CA11271R	TRS 2SA1037AK T146 RS
Q233	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW08	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q234	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW09	CA11271R	TRS 2SA1037AK T146 RS
Q235	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW10	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q236	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW11	CA11271R	TRS 2SA1037AK T146 RS
Q241	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW12	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q242	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW13	CA11271R	TRS 2SA1037AK T146 RS
Q246	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW14	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q247	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QW15	CA11271R	TRS 2SA1037AK T146 RS
Q248	CF02771R	TRS. KTA1270	QW17	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q249	CF02771R	TRS. KTA1270	QW18	CA11271R	TRS 2SA1037AK T146 RS
Q250	CA11271R	TRS 2SA1037AK T146 RS	QX01	CA00461R	TRS.CHIP 2SD2114K 20V TAPE
Q251	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX02	CA00461R	TRS.CHIP 2SD2114K 20V TAPE
Q252	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX03	CF02781R	TRS. KTC200YAT
Q253	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX04	CF02781R	TRS. KTC200YAT
Q254	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX05	CF02781R	TRS. KTC200YAT
Q403	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX08	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q403A	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX12	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q404	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX13	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q405	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX14	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q406	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX15	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q406A	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX16	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q407	CA00461R	TRS.CHIP 2SD2114K 20V TAPE	QX17	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q407A	CA00461R	TRS.CHIP 2SD2114K 20V TAPE	QX21	CA11271R	TRS 2SA1037AK T146 RS
Q408	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX22	CA11271R	TRS 2SA1037AK T146 RS
Q408A	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX23	CA11271R	TRS 2SA1037AK T146 RS
Q409	CA00461R	TRS.CHIP 2SD2114K 20V TAPE	QX24	CA11271R	TRS 2SA1037AK T146 RS
Q409A	CA00461R	TRS.CHIP 2SD2114K 20V TAPE	QX25	CA11271R	TRS 2SA1037AK T146 RS
Q410	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX26	CA11271R	TRS 2SA1037AK T146 RS
Q411	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX30	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q411A	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX31	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q412	CA11271R	TRS 2SA1037AK T146 RS	QX37	CA11271R	TRS 2SA1037AK T146 RS
Q412A	CA11271R	TRS 2SA1037AK T146 RS	QX38	CA11271R	TRS 2SA1037AK T146 RS
Q413	CA11271R	TRS 2SA1037AK T146 RS	QX39	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q414	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QX40	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
Q415	CA11271R	TRS 2SA1037AK T146 RS	QZ01	CA11271R	TRS 2SA1037AK T146 RS
Q416	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ02	CA11271R	TRS 2SA1037AK T146 RS
QJ01	CA11271R	TRS 2SA1037AK T146 RS	QZ03	CA11271R	TRS 2SA1037AK T146 RS
QJ05	CA11271R	TRS 2SA1037AK T146 RS	QZ04	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QJ09	CA11271R	TRS 2SA1037AK T146 RS	QZ05	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QJ13	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ06	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QJ14	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ07	CA11163R	TRS.CHIP DTC114EUA
QM01	CA11161R	DTC144EUA T106	QZ11	CA11271R	TRS 2SA1037AK T146 RS
QM08	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ12	CA11271R	TRS 2SA1037AK T146 RS
QV01	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ13	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV02	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ14	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV03	CA11271R	TRS 2SA1037AK T146 RS	QZ15	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV04	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ16	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV05	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ21	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV06	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ22	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV07	CA11271R	TRS 2SA1037AK T146 RS	QZ27	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV08	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ28	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV09	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ30	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QV10	CA11271R	TRS 2SA1037AK T146 RS	QZ32	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QW01	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	QZ34	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)
QW02	CA11271R	TRS 2SA1037AK T146 RS	QZ35	CA00331R	TRS.CHIP IMZ1A

NOTE: The above listed parts are for the AVC unit only.

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
QZ36	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R039	0790051R	RES.CHIP 1/16W 10K OHM
QZ37	CA00331R	TRS.CHIP IMZ1A	R040	0790052R	RES.CHIP 1/16W 12K OHM
QZ38	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R041	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ39	CA00331R	TRS.CHIP IMZ1A	R044	0790051R	RES.CHIP 1/16W 10K OHM
QZ40	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R045	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ41	CA11271R	TRS 2SA1037AK T146 RS	R046	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ42	CA11271R	TRS 2SA1037AK T146 RS	R047	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ43	CA11271R	TRS 2SA1037AK T146 RS	R048	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ46	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R049	0790059R	RES.CHIP 1/16W 47K OHM
QZ47	CA11271R	TRS 2SA1037AK T146 RS	R050	0790034R	RES.CHIP 1/16W 560 OHM
QZ48	CA11271R	TRS 2SA1037AK T146 RS	R051	0790028R	RES.CHIP 1/16W 220 OHM
QZ49	CA11271R	TRS 2SA1037AK T146 RS	R052	0790028R	RES.CHIP 1/16W 220 OHM
QZ50	CA11271R	TRS 2SA1037AK T146 RS	R053	0790024R	RES.CHIP 1/16W 100 OHM
QZ51	CA11271R	TRS 2SA1037AK T146 RS	R054	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ52	CA00331R	TRS.CHIP IMZ1A	R055	0790024R	RES.CHIP 1/16W 100 OHM
QZ53	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R056	0790024R	RES.CHIP 1/16W 100 OHM
QZ54	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R058	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ55	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R059	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ56	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R060	0790024R	RES.CHIP 1/16W 100 OHM
QZ57	CA00331R	TRS.CHIP IMZ1A	R061	0790024R	RES.CHIP 1/16W 100 OHM
QZ58	CA00331R	TRS.CHIP IMZ1A	R063	0790051R	RES.CHIP 1/16W 10K OHM
QZ59	CA00331R	TRS.CHIP IMZ1A	R064	0790024R	RES.CHIP 1/16W 100 OHM
QZ60	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R065	0790037R	RES.CHIP 1/16W 1.0K OHM
			R071	0790037R	RES.CHIP 1/16W 1.0K OHM
		RESISTORS	R072	0790037R	RES.CHIP 1/16W 1.0K OHM
R001	0790037R	RES.CHIP 1/16W 1.0K OHM	R073	0790037R	RES.CHIP 1/16W 1.0K OHM
R002	0790059R	RES.CHIP 1/16W 47K OHM	R074	0790037R	RES.CHIP 1/16W 1.0K OHM
R003	0790024R	RES.CHIP 1/16W 100 OHM	R075	0790037R	RES.CHIP 1/16W 1.0K OHM
R004	0790059R	RES.CHIP 1/16W 47K OHM	R076	0790037R	RES.CHIP 1/16W 1.0K OHM
R005	0790024R	RES.CHIP 1/16W 100 OHM	R077	0790024R	RES.CHIP 1/16W 100 OHM
R006	0790024R	RES.CHIP 1/16W 100 OHM	R078	0790037R	RES.CHIP 1/16W 1.0K OHM
R007	0790037R	RES.CHIP 1/16W 1.0K OHM	R079	0790024R	RES.CHIP 1/16W 100 OHM
R008	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R080	0790051R	RES.CHIP 1/16W 10K OHM
R009	0790051R	RES.CHIP 1/16W 10K OHM	R081	0790051R	RES.CHIP 1/16W 10K OHM
R010	0790024R	RES.CHIP 1/16W 100 OHM	R082	0790047R	RES.CHIP 1/16W 5.6K OHM
R011	0790024R	RES.CHIP 1/16W 100 OHM	R083	0790028R	RES.CHIP 1/16W 220 OHM
R012	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R084	0790024R	RES.CHIP 1/16W 100 OHM
R013	0790037R	RES.CHIP 1/16W 1.0K OHM	R085	0790024R	RES.CHIP 1/16W 100 OHM
R015	0790024R	RES.CHIP 1/16W 100 OHM	R086	0790037R	RES.CHIP 1/16W 1.0K OHM
R016	0790024R	RES.CHIP 1/16W 100 OHM	R087	0790037R	RES.CHIP 1/16W 1.0K OHM
R017	0790024R	RES.CHIP 1/16W 100 OHM	R088	0790037R	RES.CHIP 1/16W 1.0K OHM
R018	0790024R	RES.CHIP 1/16W 100 OHM	R089	0790037R	RES.CHIP 1/16W 1.0K OHM
R019	0790024R	RES.CHIP 1/16W 100 OHM	R090	0790051R	RES.CHIP 1/16W 10K OHM
R020	0790051R	RES.CHIP 1/16W 10K OHM	R091	0790051R	RES.CHIP 1/16W 10K OHM
R021	0790051R	RES.CHIP 1/16W 10K OHM	R092	0790051R	RES.CHIP 1/16W 10K OHM
R022	0790051R	RES.CHIP 1/16W 10K OHM	R094	0790024R	RES.CHIP 1/16W 100 OHM
R023	0790051R	RES.CHIP 1/16W 10K OHM	R095	0790024R	RES.CHIP 1/16W 100 OHM
R024	0790024R	RES.CHIP 1/16W 100 OHM	R096	0790024R	RES.CHIP 1/16W 100 OHM
R025	0790024R	RES.CHIP 1/16W 100 OHM	R097	0790047R	RES.CHIP 1/16W 5.6K OHM
R026	0790024R	RES.CHIP 1/16W 100 OHM	R098	0790038R	RES.CHIP 1/16W 1.2K OHM
R027	0790024R	RES.CHIP 1/16W 100 OHM	R099	0790037R	RES.CHIP 1/16W 1.0K OHM
R028	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A1	0790033R	RES.CHIP 1/16W 470 OHM
R029	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A2	0790077R	RES.CHIP 1/16W 1.0M OHM
R030	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A3	0790033R	RES.CHIP 1/16W 470 OHM
R031	0790024R	RES.CHIP 1/16W 100 OHM	R0A4	0790077R	RES.CHIP 1/16W 1.0M OHM
R032	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A5	0790037R	RES.CHIP 1/16W 1.0K OHM
R033	0790024R	RES.CHIP 1/16W 100 OHM	R0A7	0790051R	RES.CHIP 1/16W 10K OHM
R034	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A8	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R037	0790024R	RES.CHIP 1/16W 100 OHM	R0A9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R038	0790024R	RES.CHIP 1/16W 100 OHM	R0B5	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608

NOTE: The above listed parts are for the AVC unit only.

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
QZ36	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R039	0790051R	RES.CHIP 1/16W 10K OHM
QZ37	CA00331R	TRS.CHIP IMZ1A	R040	0790052R	RES.CHIP 1/16W 12K OHM
QZ38	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R041	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ39	CA00331R	TRS.CHIP IMZ1A	R044	0790051R	RES.CHIP 1/16W 10K OHM
QZ40	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R045	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ41	CA11271R	TRS 2SA1037AK T146 RS	R046	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ42	CA11271R	TRS 2SA1037AK T146 RS	R047	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ43	CA11271R	TRS 2SA1037AK T146 RS	R048	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ46	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R049	0790059R	RES.CHIP 1/16W 47K OHM
QZ47	CA11271R	TRS 2SA1037AK T146 RS	R050	0790034R	RES.CHIP 1/16W 560 OHM
QZ48	CA11271R	TRS 2SA1037AK T146 RS	R051	0790028R	RES.CHIP 1/16W 220 OHM
QZ49	CA11271R	TRS 2SA1037AK T146 RS	R052	0790028R	RES.CHIP 1/16W 220 OHM
QZ50	CA11271R	TRS 2SA1037AK T146 RS	R053	0790024R	RES.CHIP 1/16W 100 OHM
QZ51	CA11271R	TRS 2SA1037AK T146 RS	R054	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ52	CA00331R	TRS.CHIP IMZ1A	R055	0790024R	RES.CHIP 1/16W 100 OHM
QZ53	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R056	0790024R	RES.CHIP 1/16W 100 OHM
QZ54	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R058	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ55	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R059	0790037R	RES.CHIP 1/16W 1.0K OHM
QZ56	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R060	0790024R	RES.CHIP 1/16W 100 OHM
QZ57	CA00331R	TRS.CHIP IMZ1A	R061	0790024R	RES.CHIP 1/16W 100 OHM
QZ58	CA00331R	TRS.CHIP IMZ1A	R063	0790051R	RES.CHIP 1/16W 10K OHM
QZ59	CA00331R	TRS.CHIP IMZ1A	R064	0790024R	RES.CHIP 1/16W 100 OHM
QZ60	2325691R	TRS CHIP 2SC2412K(Q/R TYPE)	R065	0790037R	RES.CHIP 1/16W 1.0K OHM
			R071	0790037R	RES.CHIP 1/16W 1.0K OHM
		RESISTORS	R072	0790037R	RES.CHIP 1/16W 1.0K OHM
R001	0790037R	RES.CHIP 1/16W 1.0K OHM	R073	0790037R	RES.CHIP 1/16W 1.0K OHM
R002	0790059R	RES.CHIP 1/16W 47K OHM	R074	0790037R	RES.CHIP 1/16W 1.0K OHM
R003	0790024R	RES.CHIP 1/16W 100 OHM	R075	0790037R	RES.CHIP 1/16W 1.0K OHM
R004	0790059R	RES.CHIP 1/16W 47K OHM	R076	0790037R	RES.CHIP 1/16W 1.0K OHM
R005	0790024R	RES.CHIP 1/16W 100 OHM	R077	0790024R	RES.CHIP 1/16W 100 OHM
R006	0790024R	RES.CHIP 1/16W 100 OHM	R078	0790037R	RES.CHIP 1/16W 1.0K OHM
R007	0790037R	RES.CHIP 1/16W 1.0K OHM	R079	0790024R	RES.CHIP 1/16W 100 OHM
R008	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R080	0790051R	RES.CHIP 1/16W 10K OHM
R009	0790051R	RES.CHIP 1/16W 10K OHM	R081	0790051R	RES.CHIP 1/16W 10K OHM
R010	0790024R	RES.CHIP 1/16W 100 OHM	R082	0790047R	RES.CHIP 1/16W 5.6K OHM
R011	0790024R	RES.CHIP 1/16W 100 OHM	R083	0790028R	RES.CHIP 1/16W 220 OHM
R012	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R084	0790024R	RES.CHIP 1/16W 100 OHM
R013	0790037R	RES.CHIP 1/16W 1.0K OHM	R085	0790024R	RES.CHIP 1/16W 100 OHM
R015	0790024R	RES.CHIP 1/16W 100 OHM	R086	0790037R	RES.CHIP 1/16W 1.0K OHM
R016	0790024R	RES.CHIP 1/16W 100 OHM	R087	0790037R	RES.CHIP 1/16W 1.0K OHM
R017	0790024R	RES.CHIP 1/16W 100 OHM	R088	0790037R	RES.CHIP 1/16W 1.0K OHM
R018	0790024R	RES.CHIP 1/16W 100 OHM	R089	0790037R	RES.CHIP 1/16W 1.0K OHM
R019	0790024R	RES.CHIP 1/16W 100 OHM	R090	0790051R	RES.CHIP 1/16W 10K OHM
R020	0790051R	RES.CHIP 1/16W 10K OHM	R091	0790051R	RES.CHIP 1/16W 10K OHM
R021	0790051R	RES.CHIP 1/16W 10K OHM	R092	0790051R	RES.CHIP 1/16W 10K OHM
R022	0790051R	RES.CHIP 1/16W 10K OHM	R094	0790024R	RES.CHIP 1/16W 100 OHM
R023	0790051R	RES.CHIP 1/16W 10K OHM	R095	0790024R	RES.CHIP 1/16W 100 OHM
R024	0790024R	RES.CHIP 1/16W 100 OHM	R096	0790024R	RES.CHIP 1/16W 100 OHM
R025	0790024R	RES.CHIP 1/16W 100 OHM	R097	0790047R	RES.CHIP 1/16W 5.6K OHM
R026	0790024R	RES.CHIP 1/16W 100 OHM	R098	0790038R	RES.CHIP 1/16W 1.2K OHM
R027	0790024R	RES.CHIP 1/16W 100 OHM	R099	0790037R	RES.CHIP 1/16W 1.0K OHM
R028	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A1	0790033R	RES.CHIP 1/16W 470 OHM
R029	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A2	0790077R	RES.CHIP 1/16W 1.0M OHM
R030	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A3	0790033R	RES.CHIP 1/16W 470 OHM
R031	0790024R	RES.CHIP 1/16W 100 OHM	R0A4	0790077R	RES.CHIP 1/16W 1.0M OHM
R032	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A5	0790037R	RES.CHIP 1/16W 1.0K OHM
R033	0790024R	RES.CHIP 1/16W 100 OHM	R0A7	0790051R	RES.CHIP 1/16W 10K OHM
R034	0790037R	RES.CHIP 1/16W 1.0K OHM	R0A8	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R037	0790024R	RES.CHIP 1/16W 100 OHM	R0A9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R038	0790024R	RES.CHIP 1/16W 100 OHM	R0B5	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R0C1	0790024R	RES.CHIP 1/16W 100 OHM	R137	0790059R	RES.CHIP 1/16W 47K OHM
R0C4	0790037R	RES.CHIP 1/16W 1.0K OHM	R138	0790051R	RES.CHIP 1/16W 10K OHM
R0C5	0790043R	RES.CHIP 1/16W 2.7K OHM	R139	0790024R	RES.CHIP 1/16W 100 OHM
R0C6	0790043R	RES.CHIP 1/16W 2.7K OHM	R140	0790024R	RES.CHIP 1/16W 100 OHM
R0C7	0790043R	RES.CHIP 1/16W 2.7K OHM	R204	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R0C8	0790055R	RES.CHIP 1/16W 22K OHM	R205	0790024R	RES.CHIP 1/16W 100 OHM
R0C9	0790024R	RES.CHIP 1/16W 100 OHM	R207	0790064R	RES.CHIP 1/16W 100K OHM
R0D1	0790059R	RES.CHIP 1/16W 47K OHM	R208	0790047R	RES.CHIP 1/16W 5.6K OHM
R0D3	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R209	0790037R	RES.CHIP 1/16W 1.0K OHM
R0D4	0790024R	RES.CHIP 1/16W 100 OHM	R210	0790037R	RES.CHIP 1/16W 1.0K OHM
R0D5	0790024R	RES.CHIP 1/16W 100 OHM	R211	0790064R	RES.CHIP 1/16W 100K OHM
R0D6	0790024R	RES.CHIP 1/16W 100 OHM	R212	0790047R	RES.CHIP 1/16W 5.6K OHM
R0D7	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R213	0790069R	RES.CHIP 1/16W 270K OHM
R0D8	0790024R	RES.CHIP 1/16W 100 OHM	R214	0790024R	RES.CHIP 1/16W 100 OHM
R0D9	0790024R	RES.CHIP 1/16W 100 OHM	R215	0790051R	RES.CHIP 1/16W 10K OHM
R0E1	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R216	0790037R	RES.CHIP 1/16W 1.0K OHM
R0E2	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R217	0790042R	RES.CHIP 1/16W 2.2K OHM
R0E3	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R218	0790024R	RES.CHIP 1/16W 100 OHM
R0E4	0790024R	RES.CHIP 1/16W 100 OHM	R219	0790051R	RES.CHIP 1/16W 10K OHM
R0E5	0790024R	RES.CHIP 1/16W 100 OHM	R220	0790037R	RES.CHIP 1/16W 1.0K OHM
R0E6	0790024R	RES.CHIP 1/16W 100 OHM	R221	0790042R	RES.CHIP 1/16W 2.2K OHM
R0E7	0790024R	RES.CHIP 1/16W 100 OHM	R222	0790024R	RES.CHIP 1/16W 100 OHM
R0F1	0790051R	RES.CHIP 1/16W 10K OHM	R224	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R0F4	0790024R	RES.CHIP 1/16W 100 OHM	R225	0790024R	RES.CHIP 1/16W 100 OHM
R0F5	0790024R	RES.CHIP 1/16W 100 OHM	R227	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R0F6	0790024R	RES.CHIP 1/16W 100 OHM	R228	0790024R	RES.CHIP 1/16W 100 OHM
R0F7	0790024R	RES.CHIP 1/16W 100 OHM	R229	0790024R	RES.CHIP 1/16W 100 OHM
R0F8	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R230	0790024R	RES.CHIP 1/16W 100 OHM
R101	0790037R	RES.CHIP 1/16W 1.0K OHM	R231	0790024R	RES.CHIP 1/16W 100 OHM
R102	0790037R	RES.CHIP 1/16W 1.0K OHM	R232	0790051R	RES.CHIP 1/16W 10K OHM
R103	0790051R	RES.CHIP 1/16W 10K OHM	R233	0790059R	RES.CHIP 1/16W 47K OHM
R104	0790051R	RES.CHIP 1/16W 10K OHM	R234	0790037R	RES.CHIP 1/16W 1.0K OHM
R105	0790055R	RES.CHIP 1/16W 22K OHM	R235	0790051R	RES.CHIP 1/16W 10K OHM
R106	0790055R	RES.CHIP 1/16W 22K OHM	R236	0790059R	RES.CHIP 1/16W 47K OHM
R107	0790051R	RES.CHIP 1/16W 10K OHM	R237	0790037R	RES.CHIP 1/16W 1.0K OHM
R108	0790051R	RES.CHIP 1/16W 10K OHM	R238	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R109	0790037R	RES.CHIP 1/16W 1.0K OHM	R239	0790024R	RES.CHIP 1/16W 100 OHM
R110	0790037R	RES.CHIP 1/16W 1.0K OHM	R240	0790024R	RES.CHIP 1/16W 100 OHM
R111	0790037R	RES.CHIP 1/16W 1.0K OHM	R241	0790037R	RES.CHIP 1/16W 1.0K OHM
R112	0790037R	RES.CHIP 1/16W 1.0K OHM	R242	0790024R	RES.CHIP 1/16W 100 OHM
R113	0790037R	RES.CHIP 1/16W 1.0K OHM	R245	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R114	0790059R	RES.CHIP 1/16W 47K OHM	R246	0790038R	RES.CHIP 1/16W 1.2K OHM
R115	0790024R	RES.CHIP 1/16W 100 OHM	R247	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R116	0790024R	RES.CHIP 1/16W 100 OHM	R249	0790024R	RES.CHIP 1/16W 100 OHM
R117	0790059R	RES.CHIP 1/16W 47K OHM	R250	0790024R	RES.CHIP 1/16W 100 OHM
R119	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R251	0790024R	RES.CHIP 1/16W 100 OHM
R120	0790037R	RES.CHIP 1/16W 1.0K OHM	R252	0790024R	RES.CHIP 1/16W 100 OHM
R122	0790028R	RES.CHIP 1/16W 220 OHM	R254	0790024R	RES.CHIP 1/16W 100 OHM
R123	0790028R	RES.CHIP 1/16W 220 OHM	R255	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R124	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R256	0790024R	RES.CHIP 1/16W 100 OHM
R125	0790037R	RES.CHIP 1/16W 1.0K OHM	R257	0790024R	RES.CHIP 1/16W 100 OHM
R126	0790037R	RES.CHIP 1/16W 1.0K OHM	R258	0790024R	RES.CHIP 1/16W 100 OHM
R127	0790037R	RES.CHIP 1/16W 1.0K OHM	R259	0790024R	RES.CHIP 1/16W 100 OHM
R129	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R260	0790024R	RES.CHIP 1/16W 100 OHM
R131	0790028R	RES.CHIP 1/16W 220 OHM	R261	0790061R	RES.CHIP 1/16W 56K OHM
R132	0790028R	RES.CHIP 1/16W 220 OHM	R262	0790046R	RES.CHIP 1/16W 4.7K OHM
R133	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R263	0790059R	RES.CHIP 1/16W 47K OHM
R134	0790037R	RES.CHIP 1/16W 1.0K OHM	R265	0790063R	RES.CHIP 1/16W 82K OHM
R135	0790037R	RES.CHIP 1/16W 1.0K OHM	R266	0790051R	RES.CHIP 1/16W 10K OHM
R136	0790055R	RES.CHIP 1/16W 22K OHM	R267	0790047R	RES.CHIP 1/16W 5.6K OHM

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R268	0790024R	RES.CHIP 1/16W 100 OHM	R2E3	0790024R	RES.CHIP 1/16W 100 OHM
R269	0790024R	RES.CHIP 1/16W 100 OHM	R2E4	0790037R	RES.CHIP 1/16W 1.0K OHM
R270	0790024R	RES.CHIP 1/16W 100 OHM	R2E5	0790024R	RES.CHIP 1/16W 100 OHM
R271	0790024R	RES.CHIP 1/16W 100 OHM	R2E6	0790024R	RES.CHIP 1/16W 100 OHM
R273	0790024R	RES.CHIP 1/16W 100 OHM	R2E7	0790024R	RES.CHIP 1/16W 100 OHM
R274	0790059R	RES.CHIP 1/16W 47K OHM	R2E8	0790024R	RES.CHIP 1/16W 100 OHM
R275	0790059R	RES.CHIP 1/16W 47K OHM	R2E9	0790024R	RES.CHIP 1/16W 100 OHM
R276	0790044R	RES.CHIP 1/16W 3.3K OHM	R2H1	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R277	0790047R	RES.CHIP 1/16W 5.6K OHM	R2H2	0790024R	RES.CHIP 1/16W 100 OHM
R278	0790059R	RES.CHIP 1/16W 47K OHM	R2H3	0790024R	RES.CHIP 1/16W 100 OHM
R279	0790051R	RES.CHIP 1/16W 10K OHM	R2H4	0790024R	RES.CHIP 1/16W 100 OHM
R281	0790051R	RES.CHIP 1/16W 10K OHM	R2H5	0790024R	RES.CHIP 1/16W 100 OHM
R282	0790057R	RES.CHIP 1/16W 33K OHM	R2H6	0790024R	RES.CHIP 1/16W 100 OHM
R283	0790037R	RES.CHIP 1/16W 1.0K OHM	R2H7	0790024R	RES.CHIP 1/16W 100 OHM
R284	0790044R	RES.CHIP 1/16W 3.3K OHM	R2J1	0790024R	RES.CHIP 1/16W 100 OHM
R285	0790024R	RES.CHIP 1/16W 100 OHM	R2J2	0790024R	RES.CHIP 1/16W 100 OHM
R286	0790059R	RES.CHIP 1/16W 47K OHM	R2J3	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R287	0790059R	RES.CHIP 1/16W 47K OHM	R2J5	0790037R	RES.CHIP 1/16W 1.0K OHM
R288	0790058R	RES.CHIP 1/16W 39K OHM	R2J6	0790042R	RES.CHIP 1/16W 2.2K OHM
R289	0790046R	RES.CHIP 1/16W 4.7K OHM	R2J8	0790028R	RES.CHIP 1/16W 220 OHM
R290	0790024R	RES.CHIP 1/16W 100 OHM	R2K1	0790024R	RES.CHIP 1/16W 100 OHM
R291	0790044R	RES.CHIP 1/16W 3.3K OHM	R2K9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R292	0790047R	RES.CHIP 1/16W 5.6K OHM	R2L1	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R293	0790059R	RES.CHIP 1/16W 47K OHM	R2L2	0790046R	RES.CHIP 1/16W 4.7K OHM
R294	0790051R	RES.CHIP 1/16W 10K OHM	R2L3	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R296	0790057R	RES.CHIP 1/16W 33K OHM	R2L5	0790059R	RES.CHIP 1/16W 47K OHM
R297	0790051R	RES.CHIP 1/16W 10K OHM	R2L6	0790051R	RES.CHIP 1/16W 10K OHM
R298	0790037R	RES.CHIP 1/16W 1.0K OHM	R2L7	0790037R	RES.CHIP 1/16W 1.0K OHM
R299	0790044R	RES.CHIP 1/16W 3.3K OHM	R2L8	0790036R	RES.CHIP 1/16W 820 OHM
R2A1	0790024R	RES.CHIP 1/16W 100 OHM	R2L9	0790059R	RES.CHIP 1/16W 47K OHM
R2A2	0790059R	RES.CHIP 1/16W 47K OHM	R2M1	0790051R	RES.CHIP 1/16W 10K OHM
R2A3	0790059R	RES.CHIP 1/16W 47K OHM	R2M2	0790037R	RES.CHIP 1/16W 1.0K OHM
R2A4	0790058R	RES.CHIP 1/16W 39K OHM	R2M3	0790036R	RES.CHIP 1/16W 820 OHM
R2A5	0790046R	RES.CHIP 1/16W 4.7K OHM	R2N5	0790042R	RES.CHIP 1/16W 2.2K OHM
R2A6	0790024R	RES.CHIP 1/16W 100 OHM	R2N6	0790068R	RES.CHIP 1/16W 220K OHM
R2A7	0790046R	RES.CHIP 1/16W 4.7K OHM	R2N7	0790042R	RES.CHIP 1/16W 2.2K OHM
R2A8	0790047R	RES.CHIP 1/16W 5.6K OHM	R2N8	0790068R	RES.CHIP 1/16W 220K OHM
R2A9	0790052R	RES.CHIP 1/16W 12K OHM	R2N9	0790042R	RES.CHIP 1/16W 2.2K OHM
R2B1	0790046R	RES.CHIP 1/16W 4.7K OHM	R2P1	0790068R	RES.CHIP 1/16W 220K OHM
R2B3	AQ00189R	RES.CHIP 1/16W 680 OHM TAPE	R2P2	0790042R	RES.CHIP 1/16W 2.2K OHM
R2B5	AQ00201R	RES.CHIP 1/16W 1.8K OHM TAPE	R2P3	0790068R	RES.CHIP 1/16W 220K OHM
R2B6	0790042R	RES.CHIP 1/16W 2.2K OHM	R2R3	0790059R	RES.CHIP 1/16W 47K OHM
R2B7	0790054R	RES.CHIP 1/16W 18K OHM	R2R4	0790024R	RES.CHIP 1/16W 100 OHM
R2C1	0790037R	RES.CHIP 1/16W 1.0K OHM	R2R7	0790046R	RES.CHIP 1/16W 4.7K OHM
R2C2	0790051R	RES.CHIP 1/16W 10K OHM	R2S1	0790059R	RES.CHIP 1/16W 47K OHM
R2C3	0790037R	RES.CHIP 1/16W 1.0K OHM	R2S2	0790028R	RES.CHIP 1/16W 220 OHM
R2C5	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R2S3	0790037R	RES.CHIP 1/16W 1.0K OHM
R2C6	0790037R	RES.CHIP 1/16W 1.0K OHM	R2S4	0790056R	RES.CHIP 1/16W 27K OHM
R2C7	0113725M	RESISTOR CARBON FILM SRD1/2P-B 100-J	R2S6	0790051R	RES.CHIP 1/16W 10K OHM
R2C8	AT03233S	METAL OX. 47.0OHM 1W	R2S7	0790046R	RES.CHIP 1/16W 4.7K OHM
R2D2	0790024R	RES.CHIP 1/16W 100 OHM	R2S8	0790024R	RES.CHIP 1/16W 100 OHM
R2D3	0790024R	RES.CHIP 1/16W 100 OHM	R2S9	0790051R	RES.CHIP 1/16W 10K OHM
R2D4	0790024R	RES.CHIP 1/16W 100 OHM	R2T1	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R2D5	0790024R	RES.CHIP 1/16W 100 OHM	R2T3	0790028R	RES.CHIP 1/16W 220 OHM
R2D6	0790024R	RES.CHIP 1/16W 100 OHM	R2T4	0790064R	RES.CHIP 1/16W 100K OHM
R2D7	0790024R	RES.CHIP 1/16W 100 OHM	R2T5	0790051R	RES.CHIP 1/16W 10K OHM
R2D8	0790024R	RES.CHIP 1/16W 100 OHM	R2T6	0790046R	RES.CHIP 1/16W 4.7K OHM
R2D9	0790024R	RES.CHIP 1/16W 100 OHM	R2T7	0790042R	RES.CHIP 1/16W 2.2K OHM
R2E1	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R2T8	0790042R	RES.CHIP 1/16W 2.2K OHM
R2E2	0790024R	RES.CHIP 1/16W 100 OHM	R2U8	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R2V1	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R427A	0790024R	RES.CHIP 1/16W 100 OHM
R2V4	0790024R	RES.CHIP 1/16W 100 OHM	R428	0790024R	RES.CHIP 1/16W 100 OHM
R2V5	0790051R	RES.CHIP 1/16W 10K OHM	R428A	0790024R	RES.CHIP 1/16W 100 OHM
R2V6	0790024R	RES.CHIP 1/16W 100 OHM	R429	0790024R	RES.CHIP 1/16W 100 OHM
R2V7	0790024R	RES.CHIP 1/16W 100 OHM	R429A	0790024R	RES.CHIP 1/16W 100 OHM
R2V8	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R430	0790024R	RES.CHIP 1/16W 100 OHM
R2V9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R430A	0790024R	RES.CHIP 1/16W 100 OHM
R2W1	0790037R	RES.CHIP 1/16W 1.0K OHM	R431	0790036R	RES.CHIP 1/16W 820 OHM
R301	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R431A	0790036R	RES.CHIP 1/16W 820 OHM
R302	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R432	0790037R	RES.CHIP 1/16W 1.0K OHM
R303	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R432A	0790037R	RES.CHIP 1/16W 1.0K OHM
R304	0790024R	RES.CHIP 1/16W 100 OHM	R433	0790064R	RES.CHIP 1/16W 100K OHM
R305	0790024R	RES.CHIP 1/16W 100 OHM	R433A	0790064R	RES.CHIP 1/16W 100K OHM
R306	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R434	0790028R	RES.CHIP 1/16W 220 OHM
R307	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R434A	0790028R	RES.CHIP 1/16W 220 OHM
R308	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R435	0790063R	RES.CHIP 1/16W 82K OHM
R309	0790024R	RES.CHIP 1/16W 100 OHM	R435A	0790063R	RES.CHIP 1/16W 82K OHM
R310	0790024R	RES.CHIP 1/16W 100 OHM	R436	0790037R	RES.CHIP 1/16W 1.0K OHM
R311	0790042R	RES.CHIP 1/16W 2.2K OHM	R436A	0790037R	RES.CHIP 1/16W 1.0K OHM
R312	0790059R	RES.CHIP 1/16W 47K OHM	R437	0790024R	RES.CHIP 1/16W 100 OHM
R313	0790059R	RES.CHIP 1/16W 47K OHM	R437A	0790024R	RES.CHIP 1/16W 100 OHM
R314	0790059R	RES.CHIP 1/16W 47K OHM	R438	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R315	0790055R	RES.CHIP 1/16W 22K OHM	R438A	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R317	0790059R	RES.CHIP 1/16W 47K OHM	R439	0790024R	RES.CHIP 1/16W 100 OHM
R318	0790059R	RES.CHIP 1/16W 47K OHM	R439A	0790024R	RES.CHIP 1/16W 100 OHM
R320	0790012R	RES.CHIP 1/16W 12 OHM	R440	0790037R	RES.CHIP 1/16W 1.0K OHM
R321	0790012R	RES.CHIP 1/16W 12 OHM	R440A	0790037R	RES.CHIP 1/16W 1.0K OHM
R322	0790012R	RES.CHIP 1/16W 12 OHM	R441	0790028R	RES.CHIP 1/16W 220 OHM
R323	0790012R	RES.CHIP 1/16W 12 OHM	R441A	0790028R	RES.CHIP 1/16W 220 OHM
R324	0790064R	RES.CHIP 1/16W 100K OHM	R442	0790037R	RES.CHIP 1/16W 1.0K OHM
R325	0790059R	RES.CHIP 1/16W 47K OHM	R442A	0790037R	RES.CHIP 1/16W 1.0K OHM
R326	0790024R	RES.CHIP 1/16W 100 OHM	R443	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R327	0790031R	RES.CHIP 1/16W 330 OHM	R443A	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R328	0790031R	RES.CHIP 1/16W 330 OHM	R444	0790046R	RES.CHIP 1/16W 4.7K OHM
R329	0790015R	RES.CHIP 1/16W 22 OHM	R445	0790043R	RES.CHIP 1/16W 2.7K OHM
R330	0790015R	RES.CHIP 1/16W 22 OHM	R446	0790047R	RES.CHIP 1/16W 5.6K OHM
R331	0790021R	RES.CHIP 1/16W 56 OHM	R447	0790044R	RES.CHIP 1/16W 3.3K OHM
R332	0790021R	RES.CHIP 1/16W 56 OHM	R448	0790048R	RES.CHIP 1/16W 6.8K OHM
R333	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R449	0790046R	RES.CHIP 1/16W 4.7K OHM
R410	0790069R	RES.CHIP 1/16W 270K OHM	R450	AT03669M	RES.MTL GRAZD FLM 1/2W 2.2M
R410A	0790069R	RES.CHIP 1/16W 270K OHM	R451	0790024R	RES.CHIP 1/16W 100 OHM
R411	0790024R	RES.CHIP 1/16W 100 OHM	R451A	0790024R	RES.CHIP 1/16W 100 OHM
R411A	0790024R	RES.CHIP 1/16W 100 OHM	R452	0790034R	RES.CHIP 1/16W 560 OHM
R412	0790062R	RES.CHIP 1/16W 68K OHM	R452A	0790034R	RES.CHIP 1/16W 560 OHM
R412A	0790062R	RES.CHIP 1/16W 68K OHM	R453	0790034R	RES.CHIP 1/16W 560 OHM
R413	0790064R	RES.CHIP 1/16W 100K OHM	R453A	0790034R	RES.CHIP 1/16W 560 OHM
R413A	0790064R	RES.CHIP 1/16W 100K OHM	R454	0790039R	RES.CHIP 1/16W 1.5K OHM
R414	0790044R	RES.CHIP 1/16W 3.3K OHM	R454A	0790039R	RES.CHIP 1/16W 1.5K OHM
R414A	0790044R	RES.CHIP 1/16W 3.3K OHM	R455	0790066R	RES.CHIP 1/16W 150K OHM
R417	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R455A	0790066R	RES.CHIP 1/16W 150K OHM
R419	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	R456	0790037R	RES.CHIP 1/16W 1.0K OHM
R420	0790059R	RES.CHIP 1/16W 47K OHM	R456A	0790037R	RES.CHIP 1/16W 1.0K OHM
R421	0790059R	RES.CHIP 1/16W 47K OHM	R457	0188114M	RES.-CARBON FLM 1/2W 56-J
R422	0790055R	RES.CHIP 1/16W 22K OHM	R458	0790047R	RES.CHIP 1/16W 5.6K OHM
R423	0790059R	RES.CHIP 1/16W 47K OHM	R459	0790047R	RES.CHIP 1/16W 5.6K OHM
R424	0790059R	RES.CHIP 1/16W 47K OHM	R460	0790024R	RES.CHIP 1/16W 100 OHM
R425	0790055R	RES.CHIP 1/16W 22K OHM	R461	0790047R	RES.CHIP 1/16W 5.6K OHM
R426	0790024R	RES.CHIP 1/16W 100 OHM	R462	0790059R	RES.CHIP 1/16W 47K OHM
R426A	0790024R	RES.CHIP 1/16W 100 OHM	R463	0790059R	RES.CHIP 1/16W 47K OHM
R427	0790024R	RES.CHIP 1/16W 100 OHM	R464	0790037R	RES.CHIP 1/16W 1.0K OHM

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R465	0790061R	RES.CHIP 1/16W 56K OHM	RJ89	0790059R	RES.CHIP 1/16W 47K OHM
R466	0790061R	RES.CHIP 1/16W 56K OHM	RJ90	0790059R	RES.CHIP 1/16W 47K OHM
R468	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RJ91	0790042R	RES.CHIP 1/16W 2.2K OHM
R469	0790051R	RES.CHIP 1/16W 10K OHM	RJ92	0790059R	RES.CHIP 1/16W 47K OHM
R470	0790059R	RES.CHIP 1/16W 47K OHM	RJ93	0790059R	RES.CHIP 1/16W 47K OHM
R471	0790059R	RES.CHIP 1/16W 47K OHM	RJ95	0790024R	RES.CHIP 1/16W 100 OHM
R472	0790042R	RES.CHIP 1/16W 2.2K OHM	RJ96	0790024R	RES.CHIP 1/16W 100 OHM
R912	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RJ97	0790024R	RES.CHIP 1/16W 100 OHM
R913	0790024R	RES.CHIP 1/16W 100 OHM	RJM9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R915	0790024R	RES.CHIP 1/16W 100 OHM	RJN0	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R916	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RM01	0790035R	RES.CHIP 1/16W 680 OHM
R917	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RM02	0790051R	RES.CHIP 1/16W 10K OHM
R918	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RM03	0790046R	RES.CHIP 1/16W 4.7K OHM
R919	0790024R	RES.CHIP 1/16W 100 OHM	RM04	0790037R	RES.CHIP 1/16W 1.0K OHM
R920	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RM05	0790039R	RES.CHIP 1/16W 1.5K OHM
RCX26	0195250R	RES 2125 CHIP JAMPER WIRE	RM06	0790043R	RES.CHIP 1/16W 2.7K OHM
RJ01	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE	RM12	0790037R	RES.CHIP 1/16W 1.0K OHM
RJ02	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE	RM13	0790036R	RES.CHIP 1/16W 820 OHM
RJ03	0790024R	RES.CHIP 1/16W 100 OHM	RM51	0790043R	RES.CHIP 1/16W 2.7K OHM
RJ05	0790024R	RES.CHIP 1/16W 100 OHM	RM52	0790028R	RES.CHIP 1/16W 220 OHM
RJ06	0790039R	RES.CHIP 1/16W 1.5K OHM	RM53	0790043R	RES.CHIP 1/16W 2.7K OHM
RJ16	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RM54	0790046R	RES.CHIP 1/16W 4.7K OHM
RJ17	0790023R	RES.CHIP 1/16W 82 OHM	RM55	0790051R	RES.CHIP 1/16W 10K OHM
RJ18	0790023R	RES.CHIP 1/16W 82 OHM	RM56	0790026R	RES.CHIP 1/16W 150 OHM
RJ19	0790024R	RES.CHIP 1/16W 100 OHM	RM57	0790055R	RES.CHIP 1/16W 22K OHM
RJ21	0790024R	RES.CHIP 1/16W 100 OHM	RM58	0790052R	RES.CHIP 1/16W 12K OHM
RJ22	0790039R	RES.CHIP 1/16W 1.5K OHM	RM59	0790068R	RES.CHIP 1/16W 220K OHM
RJ32	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RM60	0790052R	RES.CHIP 1/16W 12K OHM
RJ33	0790023R	RES.CHIP 1/16W 82 OHM	RM61	0790052R	RES.CHIP 1/16W 12K OHM
RJ34	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE	RM62	0790029R	RES.CHIP 1/16W 270 OHM
RJ35	0790024R	RES.CHIP 1/16W 100 OHM	RM63	0790068R	RES.CHIP 1/16W 220K OHM
RJ46	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RM64	0790038R	RES.CHIP 1/16W 1.2K OHM
RJ47	0790024R	RES.CHIP 1/16W 100 OHM	RM65	0790051R	RES.CHIP 1/16W 10K OHM
RJ48	0790039R	RES.CHIP 1/16W 1.5K OHM	RM66	0790047R	RES.CHIP 1/16W 5.6K OHM
RJ49	AQ00172R	RES.CHIP 1/16W 150 OHM TAPE	RV01	0790024R	RES.CHIP 1/16W 100 OHM
RJ50	0790057R	RES.CHIP 1/16W 33K OHM	RV02	0790043R	RES.CHIP 1/16W 2.7K OHM
RJ52	0790051R	RES.CHIP 1/16W 10K OHM	RV03	0790037R	RES.CHIP 1/16W 1.0K OHM
RJ53	0790051R	RES.CHIP 1/16W 10K OHM	RV04	0790037R	RES.CHIP 1/16W 1.0K OHM
RJ54	0790037R	RES.CHIP 1/16W 1.0K OHM	RV05	0790059R	RES.CHIP 1/16W 47K OHM
RJ55	0790024R	RES.CHIP 1/16W 100 OHM	RV06	0790055R	RES.CHIP 1/16W 22K OHM
RJ56	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV07	0790024R	RES.CHIP 1/16W 100 OHM
RJ57	0790024R	RES.CHIP 1/16W 100 OHM	RV08	0790035R	RES.CHIP 1/16W 680 OHM
RJ58	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV09	0790034R	RES.CHIP 1/16W 560 OHM
RJ59	0790057R	RES.CHIP 1/16W 33K OHM	RV10	AQ00193R	RES.CHIP 1/16W 910 OHM TAPE
RJ65	0790051R	RES.CHIP 1/16W 10K OHM	RV12	0790024R	RES.CHIP 1/16W 100 OHM
RJ68	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV13	0790041R	RES.CHIP 1/16W 1.8K OHM
RJ69	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV14	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RJ70	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV15	0790024R	RES.CHIP 1/16W 100 OHM
RJ71	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV16	0790044R	RES.CHIP 1/16W 3.3K OHM
RJ72	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV17	0790037R	RES.CHIP 1/16W 1.0K OHM
RJ73	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV18	0790037R	RES.CHIP 1/16W 1.0K OHM
RJ74	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV19	0790059R	RES.CHIP 1/16W 47K OHM
RJ75	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RV20	0790055R	RES.CHIP 1/16W 22K OHM
RJ76	AQ00149R	RES.CHIP 1/16W 22 OHM TAPE	RV21	0790024R	RES.CHIP 1/16W 100 OHM
RJ77	AQ00183R	RES.CHIP 1/16W 390 OHM TAPE	RV22	0790035R	RES.CHIP 1/16W 680 OHM
RJ82	0790057R	RES.CHIP 1/16W 33K OHM	RV23	0790034R	RES.CHIP 1/16W 560 OHM
RJ83	0790057R	RES.CHIP 1/16W 33K OHM	RV24	0790038R	RES.CHIP 1/16W 1.2K OHM
RJ85	0790037R	RES.CHIP 1/16W 1.0K OHM	RV26	0790024R	RES.CHIP 1/16W 100 OHM
RJ86	0790024R	RES.CHIP 1/16W 100 OHM	RV27	0790041R	RES.CHIP 1/16W 1.8K OHM
RJ88	0790024R	RES.CHIP 1/16W 100 OHM	RV28	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
RV30	0790036R	RES.CHIP 1/16W 820 OHM	RW59	0790037R	RES.CHIP 1/16W 1.0K OHM
RV31	0790056R	RES.CHIP 1/16W 27K OHM	RW60	0790027R	RES.CHIP 1/16W 180 OHM
RV32	0790064R	RES.CHIP 1/16W 100K OHM	RW61	0790036R	RES.CHIP 1/16W 820 OHM
RV33	0790024R	RES.CHIP 1/16W 100 OHM	RW62	0790059R	RES.CHIP 1/16W 47K OHM
RV35	0790033R	RES.CHIP 1/16W 470 OHM	RW63	0196102R	RES.-1608CHIP 1/16W 24K-J TAPE
RV36	0196064R	RES.-1608CHIP 1/16W 750-J TAPE	RW64	0790041R	RES.CHIP 1/16W 1.8K OHM
RV37	0196064R	RES.-1608CHIP 1/16W 750-J TAPE	RW67	0790024R	RES.CHIP 1/16W 100 OHM
RV38	0790024R	RES.CHIP 1/16W 100 OHM	RX01	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RV39	0790043R	RES.CHIP 1/16W 2.7K OHM	RX02	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW01	0790055R	RES.CHIP 1/16W 22K OHM	RX03	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW02	0790056R	RES.CHIP 1/16W 27K OHM	RX04	0790069R	RES.CHIP 1/16W 270K OHM
RW03	0790024R	RES.CHIP 1/16W 100 OHM	RX05	0790069R	RES.CHIP 1/16W 270K OHM
RW04	0790042R	RES.CHIP 1/16W 2.2K OHM	RX06	0790047R	RES.CHIP 1/16W 5.6K OHM
RW05	0790037R	RES.CHIP 1/16W 1.0K OHM	RX07	0790047R	RES.CHIP 1/16W 5.6K OHM
RW06	0790027R	RES.CHIP 1/16W 180 OHM	RX08	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW07	0790036R	RES.CHIP 1/16W 820 OHM	RX09	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW08	0790044R	RES.CHIP 1/16W 3.3K OHM	RX10	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW09	0790061R	RES.CHIP 1/16W 56K OHM	RX11	0790069R	RES.CHIP 1/16W 270K OHM
RW10	0790055R	RES.CHIP 1/16W 22K OHM	RX12	0790069R	RES.CHIP 1/16W 270K OHM
RW11	0790048R	RES.CHIP 1/16W 6.8K OHM	RX13	0790047R	RES.CHIP 1/16W 5.6K OHM
RW12	0790041R	RES.CHIP 1/16W 1.8K OHM	RX14	0790047R	RES.CHIP 1/16W 5.6K OHM
RW13	0790024R	RES.CHIP 1/16W 100 OHM	RX15	0790037R	RES.CHIP 1/16W 1.0K OHM
RW14	0790039R	RES.CHIP 1/16W 1.5K OHM	RX16	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW15	0790028R	RES.CHIP 1/16W 220 OHM	RX17	0790069R	RES.CHIP 1/16W 270K OHM
RW16	0790059R	RES.CHIP 1/16W 47K OHM	RX18	0790069R	RES.CHIP 1/16W 270K OHM
RW17	0790068R	RES.CHIP 1/16W 220K OHM	RX19	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW18	0790037R	RES.CHIP 1/16W 1.0K OHM	RX20	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW19	0790042R	RES.CHIP 1/16W 2.2K OHM	RX21	0790024R	RES.CHIP 1/16W 100 OHM
RW20	0790033R	RES.CHIP 1/16W 470 OHM	RX22	0790047R	RES.CHIP 1/16W 5.6K OHM
RW21	0790046R	RES.CHIP 1/16W 4.7K OHM	RX23	0790047R	RES.CHIP 1/16W 5.6K OHM
RW22	0790011R	RES.CHIP 1/16W 10 OHM	RX24	0790024R	RES.CHIP 1/16W 100 OHM
RW23	0790042R	RES.CHIP 1/16W 2.2K OHM	RX25	0790024R	RES.CHIP 1/16W 100 OHM
RW24	AQ00194R	RES.CHIP 1/16W 1.0K OHM TAPE	RX26	0790037R	RES.CHIP 1/16W 1.0K OHM
RW25	AQ00194R	RES.CHIP 1/16W 1.0K OHM TAPE	RX27	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW26	0790058R	RES.CHIP 1/16W 39K OHM	RX28	0790069R	RES.CHIP 1/16W 270K OHM
RW27	0790051R	RES.CHIP 1/16W 10K OHM	RX29	0790069R	RES.CHIP 1/16W 270K OHM
RW28	0790024R	RES.CHIP 1/16W 100 OHM	RX30	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW29	AQ00187R	RES.CHIP 1/16W 560 OHM TAPE	RX31	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RW30	0790037R	RES.CHIP 1/16W 1.0K OHM	RX32	0790024R	RES.CHIP 1/16W 100 OHM
RW31	AQ00194R	RES.CHIP 1/16W 1.0K OHM TAPE	RX33	0790047R	RES.CHIP 1/16W 5.6K OHM
RW33	AQ00187R	RES.CHIP 1/16W 560 OHM TAPE	RX34	0790047R	RES.CHIP 1/16W 5.6K OHM
RW34	0790037R	RES.CHIP 1/16W 1.0K OHM	RX35	0790024R	RES.CHIP 1/16W 100 OHM
RW35	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RX36	0790024R	RES.CHIP 1/16W 100 OHM
RW36	0790011R	RES.CHIP 1/16W 10 OHM	RX37	0790037R	RES.CHIP 1/16W 1.0K OHM
RW37	0790042R	RES.CHIP 1/16W 2.2K OHM	RX38	0790064R	RES.CHIP 1/16W 100K OHM
RW38	0790037R	RES.CHIP 1/16W 1.0K OHM	RX39	0790064R	RES.CHIP 1/16W 100K OHM
RW39	0790037R	RES.CHIP 1/16W 1.0K OHM	RX40	0790064R	RES.CHIP 1/16W 100K OHM
RW40	0790058R	RES.CHIP 1/16W 39K OHM	RX41	0790064R	RES.CHIP 1/16W 100K OHM
RW41	0790051R	RES.CHIP 1/16W 10K OHM	RX42	0790064R	RES.CHIP 1/16W 100K OHM
RW42	0790024R	RES.CHIP 1/16W 100 OHM	RX43	0790028R	RES.CHIP 1/16W 220 OHM
RW43	0790034R	RES.CHIP 1/16W 560 OHM	RX44	0790028R	RES.CHIP 1/16W 220 OHM
RW44	0790037R	RES.CHIP 1/16W 1.0K OHM	RX45	0790037R	RES.CHIP 1/16W 1.0K OHM
RW45	0790044R	RES.CHIP 1/16W 3.3K OHM	RX46	0790037R	RES.CHIP 1/16W 1.0K OHM
RW47	0790024R	RES.CHIP 1/16W 100 OHM	RX47	0790063R	RES.CHIP 1/16W 82K OHM
RW48	0790024R	RES.CHIP 1/16W 100 OHM	RX48	0790037R	RES.CHIP 1/16W 1.0K OHM
RW50	0790064R	RES.CHIP 1/16W 100K OHM	RX49	0790063R	RES.CHIP 1/16W 82K OHM
RW55	0790064R	RES.CHIP 1/16W 100K OHM	RX50	0790037R	RES.CHIP 1/16W 1.0K OHM
RW56	0790065R	RES.CHIP 1/16W 120K OHM	RX51	AQ00163R	RES.CHIP 1/16W 68 OHM TAPE
RW57	0790024R	RES.CHIP 1/16W 100 OHM	RX52	0790024R	RES.CHIP 1/16W 100 OHM
RW58	0790034R	RES.CHIP 1/16W 560 OHM	RX53	AQ00163R	RES.CHIP 1/16W 68 OHM TAPE

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
RX54	0790024R	RES.CHIP 1/16W 100 OHM	RXE6	0790024R	RES.CHIP 1/16W 100 OHM
RX55	AQ00163R	RES.CHIP 1/16W 68 OHM TAPE	RXE7	0790024R	RES.CHIP 1/16W 100 OHM
RX56	0790024R	RES.CHIP 1/16W 100 OHM	RXE8	0790024R	RES.CHIP 1/16W 100 OHM
RX57	0790034R	RES.CHIP 1/16W 560 OHM	RXE9	0790024R	RES.CHIP 1/16W 100 OHM
RX58	0790034R	RES.CHIP 1/16W 560 OHM	RXF8	0790038R	RES.CHIP 1/16W 1.2K OHM
RX59	0790034R	RES.CHIP 1/16W 560 OHM	RXF9	0790038R	RES.CHIP 1/16W 1.2K OHM
RX60	0790034R	RES.CHIP 1/16W 560 OHM	RXG1	0790038R	RES.CHIP 1/16W 1.2K OHM
RX61	0790034R	RES.CHIP 1/16W 560 OHM	RXG2	0790038R	RES.CHIP 1/16W 1.2K OHM
RX62	0790034R	RES.CHIP 1/16W 560 OHM	RXG3	0790038R	RES.CHIP 1/16W 1.2K OHM
RX63	0790034R	RES.CHIP 1/16W 560 OHM	RXG4	0790038R	RES.CHIP 1/16W 1.2K OHM
RX64	0790034R	RES.CHIP 1/16W 560 OHM	RXG5	0790041R	RES.CHIP 1/16W 1.8K OHM
RX65	0790034R	RES.CHIP 1/16W 560 OHM	RXG6	0790041R	RES.CHIP 1/16W 1.8K OHM
RX68	0790024R	RES.CHIP 1/16W 100 OHM	RXG7	0790041R	RES.CHIP 1/16W 1.8K OHM
RX69	0790024R	RES.CHIP 1/16W 100 OHM	RXH2	0790038R	RES.CHIP 1/16W 1.2K OHM
RX70	0790024R	RES.CHIP 1/16W 100 OHM	RXH3	0790038R	RES.CHIP 1/16W 1.2K OHM
RX71	0790024R	RES.CHIP 1/16W 100 OHM	RXH4	0790038R	RES.CHIP 1/16W 1.2K OHM
RX72	0790024R	RES.CHIP 1/16W 100 OHM	RXH5	0790038R	RES.CHIP 1/16W 1.2K OHM
RX73	0790024R	RES.CHIP 1/16W 100 OHM	RXH6	0790038R	RES.CHIP 1/16W 1.2K OHM
RX79	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RXH7	0790038R	RES.CHIP 1/16W 1.2K OHM
RX84	0790042R	RES.CHIP 1/16W 2.2K OHM	RXH8	0790041R	RES.CHIP 1/16W 1.8K OHM
RX85	0790068R	RES.CHIP 1/16W 220K OHM	RXH9	0790041R	RES.CHIP 1/16W 1.8K OHM
RX86	0790042R	RES.CHIP 1/16W 2.2K OHM	RXJ1	0790041R	RES.CHIP 1/16W 1.8K OHM
RX87	0790068R	RES.CHIP 1/16W 220K OHM	RXJ2	0790024R	RES.CHIP 1/16W 100 OHM
RX94	0790037R	RES.CHIP 1/16W 1.0K OHM	RXJ3	0790024R	RES.CHIP 1/16W 100 OHM
RX95	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE	RXJ4	0790042R	RES.CHIP 1/16W 2.2K OHM
RX96	0790024R	RES.CHIP 1/16W 100 OHM	RXJ5	0790042R	RES.CHIP 1/16W 2.2K OHM
RX97	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE	RXK5	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RX98	0790024R	RES.CHIP 1/16W 100 OHM	RXK6	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RXA3	AQ00193R	RES.CHIP 1/16W 910 OHM TAPE	RXK7	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RXA6	0790037R	RES.CHIP 1/16W 1.0K OHM	RXL1	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXA7	0790047R	RES.CHIP 1/16W 5.6K OHM	RXL5	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXA8	0790024R	RES.CHIP 1/16W 100 OHM	RXL9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXA9	AQ00193R	RES.CHIP 1/16W 910 OHM TAPE	RXM1	0790037R	RES.CHIP 1/16W 1.0K OHM
RXB1	0790069R	RES.CHIP 1/16W 270K OHM	RXM2	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXB2	0790069R	RES.CHIP 1/16W 270K OHM	RXM3	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXB6	0790022R	RES.CHIP 1/16W 68 OHM	RXM4	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXB7	0790022R	RES.CHIP 1/16W 68 OHM	RXM6	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXB8	0790022R	RES.CHIP 1/16W 68 OHM	RXM7	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXB9	0790022R	RES.CHIP 1/16W 68 OHM	RXM8	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RXC1	0790022R	RES.CHIP 1/16W 68 OHM	RXP5	0790024R	RES.CHIP 1/16W 100 OHM
RXC2	0790022R	RES.CHIP 1/16W 68 OHM	RXP6	0790024R	RES.CHIP 1/16W 100 OHM
RXC3	0790022R	RES.CHIP 1/16W 68 OHM	RXP7	0790024R	RES.CHIP 1/16W 100 OHM
RXC4	0790022R	RES.CHIP 1/16W 68 OHM	RXQ4	0790024R	RES.CHIP 1/16W 100 OHM
RXC5	0790024R	RES.CHIP 1/16W 100 OHM	RXR1	0790024R	RES.CHIP 1/16W 100 OHM
RXC6	0790024R	RES.CHIP 1/16W 100 OHM	RXR8	0790024R	RES.CHIP 1/16W 100 OHM
RXC7	0790024R	RES.CHIP 1/16W 100 OHM	RXR9	0790037R	RES.CHIP 1/16W 1.0K OHM
RXC8	0790024R	RES.CHIP 1/16W 100 OHM	RXS1	0790051R	RES.CHIP 1/16W 10K OHM
RXC9	0790024R	RES.CHIP 1/16W 100 OHM	RXS2	0790051R	RES.CHIP 1/16W 10K OHM
RXD1	0790024R	RES.CHIP 1/16W 100 OHM	RXS3	0790051R	RES.CHIP 1/16W 10K OHM
RXD2	0790024R	RES.CHIP 1/16W 100 OHM	RXS4	0790037R	RES.CHIP 1/16W 1.0K OHM
RXD3	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE	RXS5	0790037R	RES.CHIP 1/16W 1.0K OHM
RXD4	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE	RY01	0790047R	RES.CHIP 1/16W 5.6K OHM
RXD5	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE	RY02	0790047R	RES.CHIP 1/16W 5.6K OHM
RXD7	0790037R	RES.CHIP 1/16W 1.0K OHM	RY04	0790024R	RES.CHIP 1/16W 100 OHM
RXD9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RY05	AQ00164R	RES.CHIP 1/16W 75 OHM TAPE
RXE1	0790024R	RES.CHIP 1/16W 100 OHM	RY06	0790024R	RES.CHIP 1/16W 100 OHM
RXE2	0790024R	RES.CHIP 1/16W 100 OHM	RY07	0790024R	RES.CHIP 1/16W 100 OHM
RXE5	0790024R	RES.CHIP 1/16W 100 OHM	RY08	0790024R	RES.CHIP 1/16W 100 OHM

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
RY09	0790024R	RES.CHIP 1/16W 100 OHM	RZ31	0790024R	RES.CHIP 1/16W 100 OHM
RY10	0790024R	RES.CHIP 1/16W 100 OHM	RZ32	0790024R	RES.CHIP 1/16W 100 OHM
RY11	0790024R	RES.CHIP 1/16W 100 OHM	RZ33	0790051R	RES.CHIP 1/16W 10K OHM
RY12	0790042R	RES.CHIP 1/16W 2.2K OHM	RZ34	0790051R	RES.CHIP 1/16W 10K OHM
RY13	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ35	0790024R	RES.CHIP 1/16W 100 OHM
RY14	0790024R	RES.CHIP 1/16W 100 OHM	RZ36	0790024R	RES.CHIP 1/16W 100 OHM
RY15	0790024R	RES.CHIP 1/16W 100 OHM	RZ37	0790024R	RES.CHIP 1/16W 100 OHM
RY16	0790037R	RES.CHIP 1/16W 1.0K OHM	RZ38	0790024R	RES.CHIP 1/16W 100 OHM
RY17	AQ00194R	RES.CHIP 1/16W 1.0K OHM TAPE	RZ39	0790024R	RES.CHIP 1/16W 100 OHM
RY18	0790024R	RES.CHIP 1/16W 100 OHM	RZ40	0790024R	RES.CHIP 1/16W 100 OHM
RY19	0790024R	RES.CHIP 1/16W 100 OHM	RZ41	0196087R	RES.-1608CHIP 1/16W 6.2K-J TAPE
RY20	0790024R	RES.CHIP 1/16W 100 OHM	RZ42	0790033R	RES.CHIP 1/16W 470 OHM
RY21	0790042R	RES.CHIP 1/16W 2.2K OHM	RZ44	0790024R	RES.CHIP 1/16W 100 OHM
RY22	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ45	0790024R	RES.CHIP 1/16W 100 OHM
RY23	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ46	0790024R	RES.CHIP 1/16W 100 OHM
RY24	AQ00194R	RES.CHIP 1/16W 1.0K OHM TAPE	RZ47	0790024R	RES.CHIP 1/16W 100 OHM
RY65	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ48	0790024R	RES.CHIP 1/16W 100 OHM
RY66	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ49	0790024R	RES.CHIP 1/16W 100 OHM
RY85	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ50	0790024R	RES.CHIP 1/16W 100 OHM
RY86	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ51	0196104R	RES 1608 CHIP 1/16W 30KJ TAPE
RY87	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ52	0790024R	RES.CHIP 1/16W 100 OHM
RY88	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ53	0790024R	RES.CHIP 1/16W 100 OHM
RY89	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ54	0790024R	RES.CHIP 1/16W 100 OHM
RY90	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ55	0790024R	RES.CHIP 1/16W 100 OHM
RYA1	0790047R	RES.CHIP 1/16W 5.6K OHM	RZ56	0790032R	RES.CHIP 1/16W 390 OHM
RYA2	0790024R	RES.CHIP 1/16W 100 OHM	RZ57	0790032R	RES.CHIP 1/16W 390 OHM
RYA3	0790042R	RES.CHIP 1/16W 2.2K OHM	RZ58	0790034R	RES.CHIP 1/16W 560 OHM
RZ01	0790051R	RES.CHIP 1/16W 10K OHM	RZ59	0790053R	RES.CHIP 1/16W 15K OHM
RZ02	0790051R	RES.CHIP 1/16W 10K OHM	RZ60	0790024R	RES.CHIP 1/16W 100 OHM
RZ03	0790024R	RES.CHIP 1/16W 100 OHM	RZ61	0790052R	RES.CHIP 1/16W 12K OHM
RZ04	0790024R	RES.CHIP 1/16W 100 OHM	RZ62	0790037R	RES.CHIP 1/16W 1.0K OHM
RZ05	0790024R	RES.CHIP 1/16W 100 OHM	RZ63	0790024R	RES.CHIP 1/16W 100 OHM
RZ06	0790024R	RES.CHIP 1/16W 100 OHM	RZ64	0790049R	RES.CHIP 1/16W 8.2K OHM
RZ07	0790024R	RES.CHIP 1/16W 100 OHM	RZ65	0790054R	RES.CHIP 1/16W 18K OHM
RZ08	0790024R	RES.CHIP 1/16W 100 OHM	RZ74	0790042R	RES.CHIP 1/16W 2.2K OHM
RZ09	0196087R	RES.-1608CHIP 1/16W 6.2K-J TAPE	RZ75	0790043R	RES.CHIP 1/16W 2.7K OHM
RZ10	0790033R	RES.CHIP 1/16W 470 OHM	RZ76	0790031R	RES.CHIP 1/16W 330 OHM
RZ11	0790024R	RES.CHIP 1/16W 100 OHM	RZ77	0790024R	RES.CHIP 1/16W 100 OHM
RZ13	0790024R	RES.CHIP 1/16W 100 OHM	RZ78	0790042R	RES.CHIP 1/16W 2.2K OHM
RZ14	0790024R	RES.CHIP 1/16W 100 OHM	RZ79	0790024R	RES.CHIP 1/16W 100 OHM
RZ15	0790024R	RES.CHIP 1/16W 100 OHM	RZ80	0790042R	RES.CHIP 1/16W 2.2K OHM
RZ16	0790024R	RES.CHIP 1/16W 100 OHM	RZ81	0790024R	RES.CHIP 1/16W 100 OHM
RZ17	0790024R	RES.CHIP 1/16W 100 OHM	RZ82	0790024R	RES.CHIP 1/16W 100 OHM
RZ18	0790024R	RES.CHIP 1/16W 100 OHM	RZ83	0790032R	RES.CHIP 1/16W 390 OHM
RZ19	0790037R	RES.CHIP 1/16W 1.0K OHM	RZ84	0790033R	RES.CHIP 1/16W 470 OHM
RZ20	0790037R	RES.CHIP 1/16W 1.0K OHM	RZ85	0790034R	RES.CHIP 1/16W 560 OHM
RZ21	0790037R	RES.CHIP 1/16W 1.0K OHM	RZ86	0790053R	RES.CHIP 1/16W 15K OHM
RZ22	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ87	0790024R	RES.CHIP 1/16W 100 OHM
RZ23	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ88	0790052R	RES.CHIP 1/16W 12K OHM
RZ24	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZ89	0790037R	RES.CHIP 1/16W 1.0K OHM
RZ25	0790037R	RES.CHIP 1/16W 1.0K OHM	RZ90	0790024R	RES.CHIP 1/16W 100 OHM
RZ26	0790043R	RES.CHIP 1/16W 2.7K OHM	RZ91	0790049R	RES.CHIP 1/16W 8.2K OHM
RZ27	0790042R	RES.CHIP 1/16W 2.2K OHM	RZ92	0790054R	RES.CHIP 1/16W 18K OHM
RZ28	0196104R	RES 1608 CHIP 1/16W 30KJ TAPE	RZ93	0790051R	RES.CHIP 1/16W 10K OHM
RZ29	0790024R	RES.CHIP 1/16W 100 OHM	RZ94	0790051R	RES.CHIP 1/16W 10K OHM
RZ30	0790024R	RES.CHIP 1/16W 100 OHM	RZA5	0790033R	RES.CHIP 1/16W 470 OHM

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
RZA6	0790033R	RES.CHIP 1/16W 470 OHM	RZM1	0790038R	RES.CHIP 1/16W 1.2K OHM
RZB5	0790033R	RES.CHIP 1/16W 470 OHM	RZM3	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RZB6	0790033R	RES.CHIP 1/16W 470 OHM	RZM4	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RZB7	0790024R	RES.CHIP 1/16W 100 OHM	RZM5	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RZB8	0790024R	RES.CHIP 1/16W 100 OHM	RZM6	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RZB9	0790024R	RES.CHIP 1/16W 100 OHM	RZM7	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RZC1	0790024R	RES.CHIP 1/16W 100 OHM	RZM8	0790024R	RES.CHIP 1/16W 100 OHM
RZC2	0790037R	RES.CHIP 1/16W 1.0K OHM	RZM9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RZC3	0790024R	RES.CHIP 1/16W 100 OHM	RZN1	0790037R	RES.CHIP 1/16W 1.0K OHM
RZC4	0790037R	RES.CHIP 1/16W 1.0K OHM	RZN2	0790028R	RES.CHIP 1/16W 220 OHM
RZC5	0790024R	RES.CHIP 1/16W 100 OHM	RZN3	0790037R	RES.CHIP 1/16W 1.0K OHM
RZC6	0790037R	RES.CHIP 1/16W 1.0K OHM	RZN4	0790028R	RES.CHIP 1/16W 220 OHM
RZC7	0790024R	RES.CHIP 1/16W 100 OHM	RZN5	0790037R	RES.CHIP 1/16W 1.0K OHM
RZC8	0790033R	RES.CHIP 1/16W 470 OHM	RZN6	0790028R	RES.CHIP 1/16W 220 OHM
RZC9	0790024R	RES.CHIP 1/16W 100 OHM	RZN7	0790024R	RES.CHIP 1/16W 100 OHM
RZD1	0790033R	RES.CHIP 1/16W 470 OHM	RZN8	0790024R	RES.CHIP 1/16W 100 OHM
RZD2	0790033R	RES.CHIP 1/16W 470 OHM	RZN9	0790037R	RES.CHIP 1/16W 1.0K OHM
RZD3	0790028R	RES.CHIP 1/16W 220 OHM	RZP1	0790037R	RES.CHIP 1/16W 1.0K OHM
RZD4	0790032R	RES.CHIP 1/16W 390 OHM	RZP2	0790033R	RES.CHIP 1/16W 470 OHM
RZD5	0790033R	RES.CHIP 1/16W 470 OHM	RZP3	0790033R	RES.CHIP 1/16W 470 OHM
RZD6	0790024R	RES.CHIP 1/16W 100 OHM	RZP4	0790033R	RES.CHIP 1/16W 470 OHM
RZD7	0790033R	RES.CHIP 1/16W 470 OHM	RZP5	0790034R	RES.CHIP 1/16W 560 OHM
RZD8	0790038R	RES.CHIP 1/16W 1.2K OHM	RZP6	0790031R	RES.CHIP 1/16W 330 OHM
RZD9	0790028R	RES.CHIP 1/16W 220 OHM	RZP7	0790021R	RES.CHIP 1/16W 56 OHM
RZE1	0790036R	RES.CHIP 1/16W 820 OHM	RZP9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RZE2	0790033R	RES.CHIP 1/16W 470 OHM	RZQ1	0790038R	RES.CHIP 1/16W 1.2K OHM
RZE3	0790024R	RES.CHIP 1/16W 100 OHM	RZQ3	0790046R	RES.CHIP 1/16W 4.7K OHM
RZE4	0790036R	RES.CHIP 1/16W 820 OHM	RZQ4	0790046R	RES.CHIP 1/16W 4.7K OHM
RZE5	0790033R	RES.CHIP 1/16W 470 OHM	RZQ5	0790051R	RES.CHIP 1/16W 10K OHM
RZE6	0790028R	RES.CHIP 1/16W 220 OHM	RZQ6	0790049R	RES.CHIP 1/16W 8.2K OHM
RZE7	0790036R	RES.CHIP 1/16W 820 OHM	RZQ7	0790024R	RES.CHIP 1/16W 100 OHM
RZE8	0790048R	RES.CHIP 1/16W 6.8K OHM	RZQ8	0790024R	RES.CHIP 1/16W 100 OHM
RZE9	0790044R	RES.CHIP 1/16W 3.3K OHM	RZQ9	0790024R	RES.CHIP 1/16W 100 OHM
RZF5	0790037R	RES.CHIP 1/16W 1.0K OHM	RZR1	0790024R	RES.CHIP 1/16W 100 OHM
RZF6	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZR2	0790024R	RES.CHIP 1/16W 100 OHM
RZF7	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZR3	0790024R	RES.CHIP 1/16W 100 OHM
RZF8	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	RZR4	0790024R	RES.CHIP 1/16W 100 OHM
RZF9	0790024R	RES.CHIP 1/16W 100 OHM	RZR5	0790024R	RES.CHIP 1/16W 100 OHM
RZG1	0790024R	RES.CHIP 1/16W 100 OHM	RZR6	0790024R	RES.CHIP 1/16W 100 OHM
RZG2	0790024R	RES.CHIP 1/16W 100 OHM	RZR7	0790059R	RES.CHIP 1/16W 47K OHM
RZG3	0790042R	RES.CHIP 1/16W 2.2K OHM	RZR8	0790051R	RES.CHIP 1/16W 10K OHM
RZG4	0790042R	RES.CHIP 1/16W 2.2K OHM	RZR9	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
RZG5	0790042R	RES.CHIP 1/16W 2.2K OHM	RZS1	0790024R	RES.CHIP 1/16W 100 OHM
RZG7	0790061R	RES.CHIP 1/16W 56K OHM	RZS2	0790037R	RES.CHIP 1/16W 1.0K OHM
RZG8	0790058R	RES.CHIP 1/16W 39K OHM	RZS3	0790058R	RES.CHIP 1/16W 39K OHM
RZG9	0790061R	RES.CHIP 1/16W 56K OHM	RZS4	0790061R	RES.CHIP 1/16W 56K OHM
RZH1	0790058R	RES.CHIP 1/16W 39K OHM	RZS5	0790033R	RES.CHIP 1/16W 470 OHM
RZH2	0790061R	RES.CHIP 1/16W 56K OHM	RZS6	0790024R	RES.CHIP 1/16W 100 OHM
RZH3	0790058R	RES.CHIP 1/16W 39K OHM	RZS8	0790036R	RES.CHIP 1/16W 820 OHM
RZH4	0790049R	RES.CHIP 1/16W 8.2K OHM	RZS9	0790033R	RES.CHIP 1/16W 470 OHM
RZH5	0790046R	RES.CHIP 1/16W 4.7K OHM	RZT1	0790024R	RES.CHIP 1/16W 100 OHM
RZH7	0790055R	RES.CHIP 1/16W 22K OHM	RZT2	0790036R	RES.CHIP 1/16W 820 OHM
RZH8	0790055R	RES.CHIP 1/16W 22K OHM	RZT3	0790055R	RES.CHIP 1/16W 22K OHM
RZH9	0790051R	RES.CHIP 1/16W 10K OHM	RZT4	0790055R	RES.CHIP 1/16W 22K OHM
RZL8	0790051R	RES.CHIP 1/16W 10K OHM	RZT6	0790058R	RES.CHIP 1/16W 39K OHM
RZL9	0790046R	RES.CHIP 1/16W 4.7K OHM	RZT7	0790048R	RES.CHIP 1/16W 6.8K OHM

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SYMBOL NO.	PART NO.	PART DESCRIPTION
RZT8	0790044R	RES.CHIP 1/16W 3.3K OHM
RZT9	0790061R	RES.CHIP 1/16W 56K OHM
RZU1	0790058R	RES.CHIP 1/16W 39K OHM
RZU2	0790024R	RES.CHIP 1/16W 100 OHM
RZU3	0790033R	RES.CHIP 1/16W 470 OHM
RZU4	0790033R	RES.CHIP 1/16W 470 OHM
RZU5	0790033R	RES.CHIP 1/16W 470 OHM
RZU6	0790024R	RES.CHIP 1/16W 100 OHM
RZU7	0790032R	RES.CHIP 1/16W 390 OHM
RZU8	0790021R	RES.CHIP 1/16W 56 OHM
RZU9	0790061R	RES.CHIP 1/16W 56K OHM
RZV1	0790024R	RES.CHIP 1/16W 100 OHM
RZV2	0790033R	RES.CHIP 1/16W 470 OHM
RZV3	0790033R	RES.CHIP 1/16W 470 OHM
RZV4	0790038R	RES.CHIP 1/16W 1.2K OHM
RZV5	0790038R	RES.CHIP 1/16W 1.2K OHM
RZV6	0790024R	RES.CHIP 1/16W 100 OHM
RZV7	0790036R	RES.CHIP 1/16W 820 OHM
RZV8	0790051R	RES.CHIP 1/16W 10K OHM
		SWITCHES
SM01	FE00001R	PUSH SWITCH
SM02	FE00001R	PUSH SWITCH
SM03	FE00001R	PUSH SWITCH
SM04	FE00001R	PUSH SWITCH
SM05	FE00001R	PUSH SWITCH
SM06	FE00001R	PUSH SWITCH
SM07	2634621	SWITCH BLOCK VR
		CRYSTALS
X001	BP01311R	CSTLS16M0X
X201	BP01313R	CSTLS8M00G53
XV01	BE00351	6.0MHZ LOW PASS LC FILTER
XV02	BE00341	3.58MHZ BAND PASS LC FILTER
XW01	BE00351	6.0MHZ LOW PASS LC FILTER
XW02	BE00341	3.58MHZ BAND PASS LC FILTER
XZ01	2168771	VFL-CSB503F30
XZ02	2791501	CRYSTAL HC-49/U
XZ03	2168771	VFL-CSB503F30
XZ04	2791501	CRYSTAL HC-49/U
		MISCELLANEOUS
EAN	2974052S	CONNECTOR 03C-B2R5-800
HJ01	2791754R	CONDENSER WITH 3 TERMINAL 100PF
HJ02	2791754R	CONDENSER WITH 3 TERMINAL 100PF
HJ03	2791754R	CONDENSER WITH 3 TERMINAL 100PF
J201	ES00511	JACK HSJ1002-01-1020
J401	EU01331	TERMINAL YKC21-4519N
J402	2672041	MINI HEADPHONE JACK
JX01	EU01312	TERMINAL BOARD YKC21-8525
JX02	EU01312	TERMINAL BOARD YKC21-8525
JX03	ES00351	JACK LAP5120-0101F US9P Y/C3P
JX04	EU01051	TAP PIN JACK (FRONT) 3P+S
P50FP	EA00932R	0.5MM PITCH FPC CONN. FH12-50S-0.5SV
PCS	2959058	PINPOST 9P PH
PDJ1	ED03473	CP-24BP1R9H^DVI-D

SYMBOL NO.	PART NO.	PART DESCRIPTION
PFH2	2902261	PLUG PIN SUB MINI 2P
PFSA	2959059	PLUG PH PIN POST 10P
PFSB	2675289	PLUG 10P
PFSH	2959059	PLUG PH PIN POST 10P
PJIG	2902266	PLUG PIN SUB MINI 7P
PRST	2902261	PLUG PIN SUB MINI 2P
PSC	EA00068R	9P SMT PH CONNECTOR POST
PSP	ED04163U	B TO B CONNECTOR 19RK-1.25FJN
		Power PWB JT23981
		CAPACITORS
⚠ C901	AN01443S	ACROSS CAPA 0.1UF 250V RE104
⚠C902	AN01443S	ACROSS CAPA 0.1UF 250V RE104
⚠C903	AJ00184F	CAP. CERAMIC CD12-E2GA222MYNS
⚠C904	AJ00184F	CAP. CERAMIC CD12-E2GA222MYNS
⚠C905	AJ00167F	CAP.CERAMIC CS12-F2GA472MYNS
⚠C906	AJ00167F	CAP.CERAMIC CS12-F2GA472MYNS
C907	AL02281	CE-221M450EW KMM SERIES
C909	AL00062R	ALUMINIUM ELECTROLYTIC CAP.(22UF450V)
C910	0299981F	CAP.-POLYESTER 0.01UF-J 630V
C912	0800321R	CAP.-ELECTRO. 47UF-M 50V
C913	0244202R	CAP. CERAMIC DE0907R471K2K
C916	0893044R	CAP2125CHIP 10000PFKB 50V TAPE
C918	0229008R	CK73SB1H821KR
C919	AJ00155R	CAP. CERAMIC CS85-B2GA471KYVS
⚠C920	AJ00182F	CAP. CERAMIC CD85-E2GA102MYNS
C930	0800354R	CAP.-ELECTRO. 470UF-M 25V
C931	0800345R	CAP.-ELECTRO. 330UF-M(SMG) 25V
C932	0893044R	CAP2125CHIP 10000PFKB 50V TAPE
C933	0800294R	CAP.-ELECTRO. 10UF-M(SMG) 50V
C934	0800291R	CAP.-ELECTRO. 10UF-M(SMG) 16V
C935	0800291R	CAP.-ELECTRO. 10UF-M(SMG) 16V
C936	0800329R	CAP.-ELECTRO. 100UF-M(SMG) 50V
C937	AL01858R	1000UF 25V ALUMINIUM ELECTROLYTIC CAP.
C938	AL01858R	1000UF 25V ALUMINIUM ELECTROLYTIC CAP.
C939	AL01851R	2200UF 16V ALUMINIUM ELECTROLYTIC CAP.
C940	AL01851R	2200UF 16V ALUMINIUM ELECTROLYTIC CAP.
C942	0800303R	CAP.-ELECTRO. 22UF-M 50V
C943	0800303R	CAP.-ELECTRO. 22UF-M 50V
C944	0893053R	CAP2125CHIP 47000PFKB 50V TAPE
C945	0893027R	CAP 2125 CHIP 100000PF-K B 25V TAPE
C946	0893027R	CAP 2125 CHIP 100000PF-K B 25V TAPE
C947	0893027R	CAP 2125 CHIP 100000PF-K B 25V TAPE
C948	0893042R	CAP 2125CHIP 6800PFKB 50V TAPE
C949	AL01833R	1000UF 6.3V ALUMINIUM ELECTROLYTIC CAP.
C950	AL01833R	1000UF 6.3V ALUMINIUM ELECTROLYTIC CAP.
C951	AL01857R	470UF 25V ALUMINIUM ELECTROLYTIC CAP.
C952	0893048R	CAP2125CHIP 22000PFKB 50V TAPE
C954	AL01833R	1000UF 6.3V ALUMINIUM ELECTROLYTIC CAP.
C957	AL01857R	470UF 25V ALUMINIUM ELECTROLYTIC CAP.
C958	0893053R	CAP2125CHIP 47000PFKB 50V TAPE
C959	0229008R	CK73SB1H821KR
C960	0893027R	CAP 2125 CHIP 100000PF-K B 25V TAPE
C962	0893027R	CAP 2125 CHIP 100000PF-K B 25V TAPE
C963	AL01833R	1000UF 6.3V ALUMINIUM ELECTROLYTIC CAP.

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SYMBOL NO.	PART NO.	PART DESCRIPTION
C965	0800297R	CAP.ELECTRO.22UF-M 6.3V(SMG)
C968	0800315R	CAP.-ELECTRO. 47UF-M(SMG) 6.3V
C972	AL01857R	470UF 25V AL. ELECTROLYTIC CAPACITOR
C973	0893042R	CAP 2125CHIP 6800PFKB 50V TAPE
C974	0893042R	CAP 2125CHIP 6800PFKB 50V TAPE
C975	0893042R	CAP 2125CHIP 6800PFKB 50V TAPE
C991	0229008R	CK73SB1H821KR
		DIODES
⚠ D901	2342061	DIODE D3SB(A)60.
⚠ D902	CH00051	DIODE SD-S1WB(A)60B (600V)
D903	2338531M	DIODE EG-01C (V) SI 0.5A
D904	2338531M	DIODE EG-01C (V) SI 0.5A
D905	CH00172M	DIODE DFM1SD2(200V)TAPE
D906	2334304M	ZENER RD30E (B3 T2/TP/TA) SI 5MA 30.51V
D907	2337341M	DIODE 1SS270A (TP)
D908	2337341M	DIODE 1SS270A (TP)
D909	2337341M	DIODE 1SS270A (TP)
D911	2331795M	ZENER HZ-5 (B2 TAPE) SI 200MA 4.9V
D928	2338531M	DIODE EG-01C (V) SI 0.5A
D930	CH00151M	DIODE DSM1SD2(200V)TAPE
D931	2337341M	DIODE 1SS270A (TP)
D932	2337341M	DIODE 1SS270A (TP)
D933	CH00172M	DIODE DFM1SD2(200V)TAPE
D934	2338944	DIODE FML-G12S (F) (200V)
D935	2349851	DIODE FMB-G16L
D936	2339782R	DIODE.CHIP DAN202UT106(80V)
D938	2339847M	ZENER HZS6C1 TA
D939	2337341M	DIODE 1SS270A (TP)
D940	2337341M	DIODE 1SS270A (TP)
D941	2337341M	DIODE 1SS270A (TP)
D942	2337341M	DIODE 1SS270A (TP)
D944	CH00151M	DIODE DSM1SD2(200V)TAPE
D945	2339835M	ZENER HZS5B2 TAPE
D946	2337341M	DIODE 1SS270A (TP)
D947	2339835M	ZENER HZS5B2 TAPE
D948	2339845M	ZENER DIODE HZS6 (B2)
D949	CC01661R	DIODE SFPJ-73
D950	CC01661R	DIODE SFPJ-73
D955	2339865M	ZENER DIODE HZS9 (B2)
D959	CH01042M	DIODE RK34 (40V)
		FUSES
⚠ F901	FN00062	FUSE UL-TSC 005A
⚠ F902	FN00404	FUSE UL TSC 2.5A N1 125V
		INTEGRATED CIRCUITS
⚠ I901	CZ00869	HYBRID IC- STR-F6668B(LF1351)
⚠ I902	CP07851	MONO IC TLP421
⚠ I905	CP07851	MONO IC TLP421
I930	CK37171R	MONO IC SPI-8010A
I931	CP08111U	MONO IC SI-8010GL
I932	CK37194R	MONO IC SI-3050LSA-TL
I933	CK37162R	MONO IC SI-8033JD

SYMBOL NO.	PART NO.	PART DESCRIPTION
		COILS
⚠ L901	BZ05441	LINE FILTER 16MH/1.5A
L903	2123462M	FERRITE BEADS CORE B 2.3UH
L904	2125797N	FILT.COIL(LHL08 10UH)
L906	2123462M	FERRITE BEADS CORE B 2.3UH
⚠ L907	BZ04781	LINE FILTER 1MH
L930	2125806N	FILT.COIL(LHL08 47UH)
L931	BA00627R	C12-K4.5L SMD COIL 47UH
L932	BA00632R	C12-K4.5L SMD COIL 100UH
L933	BA00621R	C12-K4.5L SMD COIL 15UH
		TRANSISTORS
Q930	2327772M	TRS.2SC3413 TAPE (B/C)
Q931	2316244R	TRS.CHIP 2SC4081 R
Q932	CA00122R	TRS.CHIP 2SA1576A(R)50V TAPE
Q933	2323782R	THYRISTOR 03P2M
Q934	2316244R	TRS.CHIP 2SC4081 R
Q936	2316244R	TRS.CHIP 2SC4081 R
Q937	CA11161R	DTC144EUA T106
Q938	CA11161R	DTC144EUA T106
		RESISTORS
⚠ R901	AT03672M	RES.MTL GRAZD FLM 1/2W 3.3M
R903	0147618	RES.-WIRE WOUND 7W 2.2-KM
R904	AT02627R	METAL OXIDE RESISTOR (683OHM 3W)
R905	AT02623R	METAL OXIDE RESISTOR (473OHM 3W)
R907	0179536M	RES.-METAL GRAZED FILM 1M J TAPE
R908	0148016	RES.WIRE WOUND 2W 0.22 OHM CEMENTED
R909	0790035R	RES.CHIP 1/16W 680 OHM
R910	0790044R	RES.CHIP 1/16W 3.3K OHM
R912	0100069M	RES.-CARBON FLM 1/8W 1.5K-JB
R913	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R915	0144176	METAL WIRE RESISTOR (100OHM 3W)
R928	AT03897M	100KOHM 1/2W RDS50 CARBON FILM RES.
R930	0188091M	RDL-1R0J1-02LT
R931	0188093M	ES.-CARBON FLM 1/2W 1.5-J
R932	0790037R	RES.CHIP 1/16W 1.0K OHM
R933	0790051R	RES.CHIP 1/16W 10K OHM
R934	0790032R	RES.CHIP 1/16W 390 OHM
R935	0790051R	RES.CHIP 1/16W 10K OHM
R936	0790037R	RES.CHIP 1/16W 1.0K OHM
R937	0790046R	RES.CHIP 1/16W 4.7K OHM
R939	0790037R	RES.CHIP 1/16W 1.0K OHM
R940	0790037R	RES.CHIP 1/16W 1.0K OHM
R941	0790051R	RES.CHIP 1/16W 10K OHM
R942	0790051R	RES.CHIP 1/16W 10K OHM
R943	0790051R	RES.CHIP 1/16W 10K OHM
R944	0790049R	RES.CHIP 1/16W 8.2K OHM
R945	0790044R	RES.CHIP 1/16W 3.3K OHM
R946	0100107M	RES.-CARBON FLM 1/8W 56K-JB
R947	0790037R	RES.CHIP 1/16W 1.0K OHM
R948	0790049R	RES.CHIP 1/16W 8.2K OHM
R949	0790045R	RES.CHIP 1/16W 3.9K OHM
R950	0196075R	RES 1608 CHIP 1/16W 2.0KJ TAPE
R951	0790042R	RES.CHIP 1/16W 2.2K OHM
R952	0790055R	RES.CHIP 1/16W 22K OHM

NOTE: The above listed parts are for the AVC unit only.

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SYMBOL NO.	PART NO.	PART DESCRIPTION
R953	0790055R	RES.CHIP 1/16W 22K OHM
R954	0113739M	RES.-CARBON FLM 1/2W 390-JB
R956	0790019R	RES.CHIP 1/16W 47 OHM
R957	AQ00183R	RES.CHIP 1/16W 390 OHM TAPE
R958	AQ00185R	RES.CHIP 1/16W 470 OHM TAPE
R959	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R960	0790037R	RES.CHIP 1/16W 1.0K OHM
R961	0790051R	RES.CHIP 1/16W 10K OHM
R963	0790051R	RES.CHIP 1/16W 10K OHM
R964	0790037R	RES.CHIP 1/16W 1.0K OHM
R969	0790019R	RES.CHIP 1/16W 47 OHM
R976	AQ00203R	RES.CHIP 1/16W 2.2K OHM TAPE
R977	AQ00185R	RES.CHIP 1/16W 470 OHM TAPE
R979	0790051R	RES.CHIP 1/16W 10K OHM
R980	0790037R	RES.CHIP 1/16W 1.0K OHM
R984	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608
R986	0790037R	RES.CHIP 1/16W 1.0K OHM
R991	0790037R	RES.CHIP 1/16W 1.0K OHM
R992	0790046R	RES.CHIP 1/16W 4.7K OHM
R993	0790051R	RES.CHIP 1/16W 10K OHM
		SWITCH
⚠S901	FJ00142	RELAYALKS329
		TRANSFORMER
⚠T901	BT02032	PT-EE38F20J-AVC3TUBER
		MISCELLANEOUS
EP02	EF09604	CONNECTOR CO-01T-N0R0-161
EPG	EF09582	CONNECTOR CO-01T-A0R0-700
⚠H901	CW00352	UPM0518SA
⚠J901	2676371	PLAG-AC INLET SK-1019
PFP1	EA01246R	1.5MM PITCH 7P CONNECTOR BASE SM3
PFP2	EA01248R	1.5MM PITCH 9P CONNECTOR BASE SM3
PSP	ED04153U	B TO B PLUG 19P250K-1.25FJNA
#0206	PH31973	AVC30 INDOOR PLATE
A21	CS00721	HCP131 ASS'Y
EANT	HP00771	ANT SW
EFEM	2979174	PLUG WITH COAXIAL CABLE
EFES	2979174	PLUG WITH COAXIAL CABLE
EFP1	EF22161	7P ZH CONNECTOR L=390MM
EFP2	EF22171	9J ZH CONNECTOR L=390MM
EFS	2908868	CO-10C-C2R0-201
EPP	EF08477	CO-01T-T0R0-151(B)
ESC	2908844	CO-09C-C2R0-331
ESF	EK01108	PRW-SML2CD-50P-L700
#010	QJ01081	AVC3 STAND ASS'Y
E001	FQ00021	DRY BATTERY(R6P-AA)
E100	EW07193	COE18+8P DVI MDIN 3M
E201	EY01641	PJX-IR BLASTER DP2X
E202	EY01641	PJX-IR BLASTER DP2X
E300	GX00404	MAGNET-FERRITE CORE
E301	GX00404	MAGNET-FERRITE CORE
E302	EW07931	CORD 1P US PIN CORD BK
E303	VZ11701	SUBWOOFER CABLE WITH CORE
E901	EV01841	POWER CORD 125V10A UL/CSA
N213	H463171	QUICK R/C GUIDE 32/42/50HDT50

Plasma Panel - Signal Audio PWB

SYMBOL NO.	PART NO.	PART DESCRIPTION	32"	42"
		CAPACITORS		
C001	0893113R	CAP 1608CHIP 10PFCCH 50V TAPE	0	0
C002	0893113R	CAP 1608CHIP 10PFCCH 50V TAPE	0	0
C003	AA01802R	CCC103K50-B-16CT MCH18	0	0
C004	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C005	AA01802R	CCC103K50-B-16CT MCH18	0	0
C008	AA01802R	CCC103K50-B-16CT MCH18	0	0
C010	AA01802R	CCC103K50-B-16CT MCH18	0	0
C011	AA01802R	CCC103K50-B-16CT MCH18	0	0
C012	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C203	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C204	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C205	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C206	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C207	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C210	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C211	AD00416R	CEC101M06-EWCT	0	0
C401	0893135R	CAP 1608CHIP 470PFJCH 50V TAPE	0	0
C402	0893135R	CAP 1608CHIP 470PFJCH 50V TAPE	0	0
C403	AD00447R	CEC4R7M25-EWCT	0	0
C404	AD00447R	CEC4R7M25-EWCT	0	0
C405	0893211R	CAP 1608CHIP 1500PFKB 50V TAPE	0	0
C406	0893211R	CAP 1608CHIP 1500PFKB 50V TAPE	0	0
C407	AA01121R	CERAMIC CAPACITOR(0.47UF 10V)	0	0
C408	AA01121R	CERAMIC CAPACITOR(0.47UF 10V)	0	0
C409	AD00478R	CEC4R7M50-EWCT	0	0
C410	AD00478R	CEC4R7M50-EWCT	0	0
C411	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0
C412	AA01814R	CCC333K50-B-16CT	0	0
C413	AD00447R	CEC4R7M25-EWCT	0	0
C414	AD00447R	CEC4R7M25-EWCT	0	0
C415	0893129R	CAP 1608CHIP 180PFJCH 50V TAPE	0	0
C416	0893129R	CAP 1608CHIP 180PFJCH 50V TAPE	0	0
C417	0800344R	CAP.-ELECTRO. 330UF-M(SMG) 16V	0	0
C418	AD00447R	CEC4R7M25-EWCT	0	0
C419	AD00447R	CEC4R7M25-EWCT	0	0
C420	AD00447R	CEC4R7M25-EWCT	0	0
C421	AA01814R	CCC333K50-B-16CT	0	0
C422	AA01814R	CCC333K50-B-16CT	0	0
C423	AA01814R	CCC333K50-B-16CT	0	0
C424	AA01814R	CCC333K50-B-16CT	0	0
C425	AA01814R	CCC333K50-B-16CT	0	0
C426	AA01814R	CCC333K50-B-16CT	0	0
C427	AA01814R	CCC333K50-B-16CT	0	0
C428	AA01802R	CCC103K50-B-16CT MCH18	0	0
C429	AD00475R	CEC010M50-EWCT	0	0
C430	AD00436R	CEC100M16-EWCT	0	0
C431	AD00436R	CEC100M16-EWCT	0	0
C432	0800344R	CAP.-ELECTRO. 330UF-M(SMG) 16V	0	0
C435	AD00436R	CEC100M16-EWCT	0	0
C436	AD00478R	CEC4R7M50-EWCT	0	0
C437	AD00478R	CEC4R7M50-EWCT	0	0
C438	0893127R	CAP 1608CHIP 120PFJCH 50V TAPE	0	0
C439	0893127R	CAP 1608CHIP 120PFJCH 50V TAPE	0	0
C440	0880207R	CAP.-POLYESTER 1.0UF-J 50V	0	0
C441	0880207R	CAP.-POLYESTER 1.0UF-J 50V	0	0
C442	0880207R	CAP.-POLYESTER 1.0UF-J 50V	0	0
C443	0880207R	CAP.-POLYESTER 1.0UF-J 50V	0	0
C444	0880198R	CAP.-PLOY. 0.22UF-J 50V	0	0

NOTE: The above listed parts are for the AVC unit only.

NOTE: The above listed parts are for the Plasma unit only.

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SYMBOL NO.	PART NO.	PART DESCRIPTION	32"	42"	SYMBOL NO.	PART NO.	PART DESCRIPTION	32"	42"
C445	0880198R	CAP.-PLOY. 0.22UF-J 50V	0	0			**DIODES**		
C446	AD00436R	CEC100M16-EWCT	0	0	D001	2333121R	DIO-1S2835(T2B)	0	0
C447	AD00436R	CEC100M16-EWCT	0	0	D003	CC00003R	DIODE.CHIP 1SS355	0	0
C452	AA01814R	CCC333K50-B-16CT	0	0	D401	CC00632R	DIODE.CHIP RB491D (20V)	0	0
C453	AA01814R	CCC333K50-B-16CT	0	0	D402	CC00632R	DIODE.CHIP RB491D (20V)	0	0
C454	AD00475R	CEC010M50-EWCT	0	0	D403	CC00632R	DIODE.CHIP RB491D (20V)	0	0
C455	AA01814R	CCC333K50-B-16CT	0	0	D404	CC00632R	DIODE.CHIP RB491D (20V)	0	0
C456	AA01814R	CCC333K50-B-16CT	0	0	D405	CC00003R	DIODE.CHIP 1SS355	0	0
C457	AA01814R	CCC333K50-B-16CT	0	0	D406	CC00003R	DIODE.CHIP 1SS355	0	0
C458	AD00475R	CEC010M50-EWCT	0	0	D407	2339491M	DIODE AM01Z (200 TAPE) 1A	0	0
C459	AA01814R	CCC333K50-B-16CT	0	0	D408	CC00003R	DIODE.CHIP 1SS355	0	0
C460	AA01814R	CCC333K50-B-16CT	0	0	D409	CC00003R	DIODE.CHIP 1SS355	0	0
C461	0800353R	CAP.-ELECTRO.470UF-M 16V	0	0	D410	CC00826R	ZENER.CHIP UDZ 7.5B	0	0
C462	0800353R	CAP.-ELECTRO.470UF-M 16V	0	0	D413	CC00822R	ZENER.CHIP UDZ 5.1B	0	0
C463	AD00439R	CEC470M16-EWCT	0	0	D414	CC00822R	ZENER.CHIP UDZ 5.1B	0	0
C464	AA01814R	CCC333K50-B-16CT	0	0	D600	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C467	0800361N	CAP.-ELECTRO 1000UF 16V	0	0	D601	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C468	AA01101R	CERAMIC CAPACITOR(1UF 10V-F)	0	0	D602	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C469	0893211R	CAP 1608CHIP 1500PFKB 50V TAPE	0		D603	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C470	0893211R	CAP 1608CHIP 1500PFKB 50V TAPE	0		D604	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C473	AL01843R	2200UF 10V AL. ELECTROLYTIC CAPACITOR		0	D605	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C474	AL01843R	2200UF 10V AL. ELECTROLYTIC CAPACITOR		0	D606	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C475	AL01843R	2200UF 10V AL. ELECTROLYTIC CAPACITOR		0	D607	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C476	AL01843R	2200UF 10V AL. ELECTROLYTIC CAPACITOR		0	D608	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C482	0880009R	CAP.-POLYESTER 0.01UF-K 50V	0	0	D609	CC10721R	DIODE CHIP DA204K-TPTX	0	0
C600	AA01814R	CCC333K50-B-16CT	0	0	D610	CC00003R	DIODE.CHIP 1SS355	0	0
C601	AA01814R	CCC333K50-B-16CT	0	0	D611	CC00003R	DIODE.CHIP 1SS355	0	0
C602	AA01802R	CCC103K50-B-16CT MCH18	0	0	DP01	CC01661R	DIODE SFPJ-73	0	0
C603	AA01802R	CCC103K50-B-16CT MCH18	0	0	DS01	CC00003R	DIODE.CHIP 1SS355	0	0
C604	AA01802R	CCC103K50-B-16CT MCH18	0	0	DS02	CC00003R	DIODE.CHIP 1SS355	0	0
C605	AA01802R	CCC103K50-B-16CT MCH18	0	0	DS04	CC00142R	CHIP DIODE RD5.1UM(B2-T)	0	0
C606	0893044R	CAP2125CHIP 10000PFKB 50V TAPE	0	0					
C607	AD00436R	CEC100M16-EWCT	0	0			**INTEGRATED CIRCUITS**		
C608	AA01802R	CCC103K50-B-16CT MCH18	0	0	I001	CK06571U	DIGITAL MONOLITHIC IC (HD64F3397)	0	0
C609	AD00436R	CEC100M16-EWCT	0	0	I002	CK32542R	DIGITAL MONOLITHIC IC (M24C16-WMN6T)	0	0
C610	AA01814R	CCC333K50-B-16CT	0	0	I003	CK06091R	DIGITAL MONOLITHIC IC (PST9142-T(FP))	0	0
C611	AD00436R	CEC100M16-EWCT	0	0	I201	CK32661R	DIGITAL MONOLITHIC IC (HD74LVC244AT)	0	0
C612	AA01814R	CCC333K50-B-16CT	0	0	I202	CK32072R	DIGITAL MONOLITHIC IC (THC63LVDM83R)	0	0
C613	AA01814R	CCC333K50-B-16CT	0	0	I600	CK37891U	DIGITAL MONOLITHIC IC (SII169)	0	0
C614	AA01814R	CCC333K50-B-16CT	0	0	I602	CK04681R	DIGITAL MONOLITHIC IC (DS14C232CM)	0	0
C615	AA01814R	CCC333K50-B-16CT	0	0	I603	CK06097R	ANALOG MONOLITHIC IC(PST9127NR)	0	0
C616	AA01814R	CCC333K50-B-16CT	0	0	IC401	CK35272R	IC NJW1133AM-TE1	0	0
C627	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0	IC402	CK35311R	NJM2192AM	0	0
C628	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0	IC403	CK31991R	ANALOG MONOLITHIC IC BU4052BCF-E2	0	0
C629	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0	IC404	CP07681U	DIGITAL POWER IC(TA2020-020)	0	0
C630	AA01111R	CERAMIC CAPACITOR(1.0UF 6.3V)	0	0	IP02	CK37162R	MONO IC SI-8033JD	0	0
C631	AA01814R	CCC333K50-B-16CT	0	0	IS01	CP08241U	ANALOG MONOLITHIC IC (BA6956AN)	0	0
C632	AA01814R	CCC333K50-B-16CT	0	0					
C633	AA01814R	CCC333K50-B-16CT	0	0			**COILS**		
CP01	AL01857R	470UF 25V AL. ELECTROLYTIC CAPACITOR	0	0	L201	BA00712R	3225 CHIP COIL 47UH	0	0
CP02	AL01833R	1000UF 6.3V AL. ELECTROLYTIC CAPACITOR	0	0	L202	BA00712R	3225 CHIP COIL 47UH	0	0
CP04	AA00968R	CCC106M06-B-20CT (10UF 6.3V 2012M)	0	0	L203	BA00712R	3225 CHIP COIL 47UH	0	0
CP05	AD00416R	CEC101M06-EWCT	0	0	L204	BA00712R	3225 CHIP COIL 47UH	0	0
CP09	AD00416R	CEC101M06-EWCT	0	0	L401	BH01811R	COIL 10UH 2.1A	0	0
CP10	AD00416R	CEC101M06-EWCT	0	0	L402	BH01811R	COIL 10UH 2.1A	0	0
CS02	AD00436R	CEC100M16-EWCT	0	0	L403	BH01811R	COIL 10UH 2.1A	0	0
CS03	0893044R	CAP2125CHIP 10000PFKB 50V TAPE	0	0	L404	BH01811R	COIL 10UH 2.1A	0	0
CS04	AD00441R	CEC101M16-EWCT	0	0	L409	BZ01421R	COIL FERRITE BEAD BL02RN1-R62T4	0	0
CS07	AA01814R	CCC333K50-B-16CT	0	0	L410	BZ01421R	COIL FERRITE BEAD BL02RN1-R62T4	0	0
CS10	AA00968R	CCC106M06-B-20CT (10UF 6.3V 2012M)	0	0	L413	BZ01421R	COIL FERRITE BEAD BL02RN1-R62T4	0	0

NOTE: The above listed parts are for the Plasma unit only.

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SYMBOL NO.	PART NO.	PART DESCRIPTION	32"	42"	SYMBOL NO.	PART NO.	PART DESCRIPTION	32"	42"
L414	BZ01421R	COIL FERRITE BEAD BL02RN1-R62T4	0	0	R032	0790024R	RES.CHIP 1/16W 100 OHM	0	0
L415	BZ05521	DC COM. MODE CHOKE COIL 7UH 2A	0		R035	0790024R	RES.CHIP 1/16W 100 OHM	0	0
L416	BZ05521	DC COM. MODE CHOKE COIL 7UH 2A	0		R036	0790051R	RES.CHIP 1/16W 10K OHM	0	0
L600	BA00712R	3225 CHIP COIL 47UH	0	0	R039	AQ00024R	RES.CHIP 1/16W 100 OHM (4 R)	0	0
L601	BA00712R	3225 CHIP COIL 47UH	0	0	R042	0790024R	RES.CHIP 1/16W 100 OHM	0	0
L602	BA00712R	3225 CHIP COIL 47UH	0	0	R043	0790051R	RES.CHIP 1/16W 10K OHM	0	0
L603	BA00712R	3225 CHIP COIL 47UH	0	0	R044	0790051R	RES.CHIP 1/16W 10K OHM	0	0
LP02	BA00632R	C12-K4.5L SMD COIL 100UH	0	0	R046	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
LP03	2125806N	FILT.COIL(LHL08 47UH)	0	0	R047	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
LP04	BA00712R	3225 CHIP COIL 47UH	0	0	R048	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
LS01	2125806N	FILT.COIL(LHL08 47UH)	0	0	R053	AQ00024R	RES.CHIP 1/16W 100 OHM (4 R)	0	0
LS02	BZ01421R	COIL FERRITE BEAD BL02RN1-R62T4	0	0	R054	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0
					R055	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0
		TRANSISTORS			R059	0790045R	RES.CHIP 1/16W 3.9K OHM	0	0
Q001	1323293R	TRS.CHIP 2SC4617 TL (R/S)	0	0	R063	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
Q005	1323294R	TRS.CHIP 2SA1774 TL (R/S)	0	0	R064	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
Q006	1323294R	TRS.CHIP 2SA1774 TL (R/S)	0	0	R065	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
Q201	1323293R	TRS.CHIP 2SC4617 TL (R/S)	0	0	R066	0790024R	RES.CHIP 1/16W 100 OHM	0	0
Q202	CA00981R	TRS.CHIP DTC114EE TL	0	0	R068	0790051R	RES.CHIP 1/16W 10K OHM	0	0
Q203	CA01011R	TRS.CHIP 2SK3018	0	0	R075	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
Q204	CA01011R	TRS.CHIP 2SK3018	0	0	R076	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
Q401	1323293R	TRS.CHIP 2SC4617 TL (R/S)	0	0	R077	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0
Q402	1323293R	TRS.CHIP 2SC4617 TL (R/S)	0	0	R078	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0
Q403	CA00981R	TRS.CHIP DTC114EE TL	0	0	R079	0790057R	RES.CHIP 1/16W 33K OHM	0	0
Q404	CA00771R	TRS.CHIP DTC323TK	0	0	R080	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
Q405	CA00771R	TRS.CHIP DTC323TK	0	0	R081	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
Q406	CA00981R	TRS.CHIP DTC114EE TL	0	0	R083	0790024R	RES.CHIP 1/16W 100 OHM	0	0
Q407	CA00771R	TRS.CHIP DTC323TK	0	0	R084	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0
Q408	CA00981R	TRS.CHIP DTC114EE TL	0	0	R085	0790024R	RES.CHIP 1/16W 100 OHM	0	0
Q600	CA01011R	TRS.CHIP 2SK3018	0	0	R087	0790028R	RES.CHIP 1/16W 220 OHM	0	0
Q601	CA01011R	TRS.CHIP 2SK3018	0	0	R092	0790042R	RES.CHIP 1/16W 2.2K OHM	0	0
Q602	1323392	TRS.CHIP UMX1N	0	0	R093	0790042R	RES.CHIP 1/16W 2.2K OHM	0	0
QS01	CA00122R	TRS.CHIP 2SA1576A(R)50V TAPE	0	0	R094	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0
QS04	CA00983R	TRS.CHIP DTC144EE TL	0	0	R095	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0
					R096	0790034R	RES.CHIP 1/16W 560 OHM	0	0
		RESISTORS			R097	0790042R	RES.CHIP 1/16W 2.2K OHM	0	0
R001	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R098	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0
R002	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R099	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0
R004	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R0A1	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R005	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R0A6	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R006	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R0A8	0790024R	RES.CHIP 1/16W 100 OHM	0	0
R007	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R0A9	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R008	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R0C7	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R009	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R0C8	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R014	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0	R0C9	0790045R	RES.CHIP 1/16W 3.9K OHM	0	0
R015	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0	R0E2	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	
R016	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R0E3	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R017	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R0E4	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R018	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R0E5	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608		0
R019	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R0E8	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R020	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R201	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R022	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R202	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R023	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R203	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R024	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R204	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R025	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R205	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R026	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R206	0790024R	RES.CHIP 1/16W 100 OHM	0	0
R027	AQ00024R	RES.CHIP 1/16W 100 OHM (4 R)	0	0	R207	0790024R	RES.CHIP 1/16W 100 OHM	0	0
R028	AQ00024R	RES.CHIP 1/16W 100 OHM (4 R)	0	0	R208	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R029	AQ00024R	RES.CHIP 1/16W 100 OHM (4 R)	0	0	R210	0195250R	RES 2125 CHIP JAMPER WIRE	0	0
R030	AQ00024R	RES.CHIP 1/16W 100 OHM (4 R)	0	0	R212	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0

NOTE: The above listed parts are for the Plasma unit only.

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SYMBOL NO.	PART NO.	PART DESCRIPTION	32"	42"	SYMBOL NO.	PART NO.	PART DESCRIPTION	32"	42"
R213	0790051R	RES.CHIP 1/16W 10K OHM	0	0	R461	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R217	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R462	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R227	0790047R	RES.CHIP 1/16W 5.6K OHM	0	0	R463	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R229	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	R600	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R251	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0	R602	0790017R	RES.CHIP 1/16W 33 OHM	0	0
R252	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0	R603	0790017R	RES.CHIP 1/16W 33 OHM	0	0
R253	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0	R604	0790017R	RES.CHIP 1/16W 33 OHM	0	0
R401	0790028R	RES.CHIP 1/16W 220 OHM	0	0	R605	0790017R	RES.CHIP 1/16W 33 OHM	0	0
R402	0790028R	RES.CHIP 1/16W 220 OHM	0	0	R606	0790032R	RES.CHIP 1/16W 390 OHM	0	0
R403	0790068R	RES.CHIP 1/16W 220K OHM	0	0	R607	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R404	0790068R	RES.CHIP 1/16W 220K OHM	0	0	R609	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R405	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R610	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R406	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R612	0790057R	RES.CHIP 1/16W 33K OHM	0	0
R407	0790061R	RES.CHIP 1/16W 56K OHM	0	0	R613	AQ00017R	RES.CHIP 1/16W 33 OHM (4 R)	0	0
R408	0196096R	RES.-1608CHIP 1/16W 13K-J TAPE	0	0	R614	AQ00017R	RES.CHIP 1/16W 33 OHM (4 R)	0	0
R409	0196123R	RES.-1608CHIP 1/16W 160K-J TAPE	0	0	R615	AQ00017R	RES.CHIP 1/16W 33 OHM (4 R)	0	0
R410	0196106R	RES 1608 CHIP 1/16W 36KJ TAPE	0	0	R616	AQ00017R	RES.CHIP 1/16W 33 OHM (4 R)	0	0
R411	0196091R	RES.-1608CHIP 1/16W 9.1K-J TAPE	0	0	R617	AQ00017R	RES.CHIP 1/16W 33 OHM (4 R)	0	0
R412	0196119R	RES.-1608CHIP 1/16W 110K-J TAPE	0	0	R618	AQ00017R	RES.CHIP 1/16W 33 OHM (4 R)	0	0
R413	0790051R	RES.CHIP 1/16W 10K OHM	0	0	R619	0790044R	RES.CHIP 1/16W 3.3K OHM	0	0
R414	0196066R	RES.-1608CHIP 1/16W 910-J TAPE	0		R620	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R414	0790036R	RES.CHIP 1/16W 820 OHM		0	R621	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R415	0196066R	RES.-1608CHIP 1/16W 910-J TAPE	0		R622	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R415	0790036R	RES.CHIP 1/16W 820 OHM		0	R625	0790024R	RES.CHIP 1/16W 100 OHM	0	0
R416	0196077R	RES.-1608CHIP 1/16W 2.4K-J TAPE	0	0	R626	0790024R	RES.CHIP 1/16W 100 OHM	0	0
R417	0790047R	RES.CHIP 1/16W 5.6K OHM	0	0	R627	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R418	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R628	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R419	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R629	0790059R	RES.CHIP 1/16W 47K OHM	0	0
R420	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R630	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0
R421	0790048R	RES.CHIP 1/16W 6.8K OHM	0	0	R631	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R422	0790048R	RES.CHIP 1/16W 6.8K OHM	0	0	R636	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R423	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R637	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R424	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R638	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R425	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R639	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R426	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0	R640	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R427	0196098R	RES.-1608CHIP 1/16W 16K-J TAPE	0	0	R641	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R428	0196098R	RES.-1608CHIP 1/16W 16K-J TAPE	0	0	R642	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R429	0196108R	RES.-1608CHIP 1/16W 43K-J TAPE	0	0	R643	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R430	0196108R	RES.-1608CHIP 1/16W 43K-J TAPE	0	0	R644	0790031R	RES.CHIP 1/16W 330 OHM	0	0
R431	0113701M	RESISTOR CARBON FILM SRD1/2P-B 10-J	0	0	R645	0790031R	RES.CHIP 1/16W 330 OHM	0	0
R432	0113701M	RESISTOR CARBON FILM SRD1/2P-B 10-J	0	0	R646	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R433	0790051R	RES.CHIP 1/16W 10K OHM	0	0	R648	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R434	0790051R	RES.CHIP 1/16W 10K OHM	0	0	R654	0790028R	RES.CHIP 1/16W 220 OHM	0	0
R435	0790042R	RES.CHIP 1/16W 2.2K OHM	0	0	R655	0790028R	RES.CHIP 1/16W 220 OHM	0	0
R436	0790064R	RES.CHIP 1/16W 100K OHM	0	0	R656	0790057R	RES.CHIP 1/16W 33K OHM	0	0
R437	0790024R	RES.CHIP 1/16W 100 OHM	0	0	R657	0790057R	RES.CHIP 1/16W 33K OHM	0	0
R438	0790059R	RES.CHIP 1/16W 47K OHM	0	0	RB01	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0
R439	0790049R	RES.CHIP 1/16W 8.2K OHM	0	0	RB02	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0
R440	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	RG01	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0
R441	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0	RG02	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0
R442	0790052R	RES.CHIP 1/16W 12K OHM	0	0	RP09	0790001R	CHIP RESISTOR RECJUMPER-1-16C16T1608	0	0
R443	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0	RR01	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0
R446	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0	RR02	AQ00001R	RES.CHIP 1/16W 0 OHM	0	0
R447	0790046R	RES.CHIP 1/16W 4.7K OHM	0	0	RS01	0790063R	RES.CHIP 1/16W 82K OHM	0	0
R448	0790044R	RES.CHIP 1/16W 3.3K OHM	0	0	RS02	0790056R	RES.CHIP 1/16W 27K OHM	0	0
R449	0790056R	RES.CHIP 1/16W 27K OHM	0		RS03	0790024R	RES.CHIP 1/16W 100 OHM	0	0
R450	0790056R	RES.CHIP 1/16W 27K OHM	0		RS04	0790024R	RES.CHIP 1/16W 100 OHM	0	0
R458	0790051R	RES.CHIP 1/16W 10K OHM	0	0	RS05	0790051R	RES.CHIP 1/16W 10K OHM	0	0
R459	0790047R	RES.CHIP 1/16W 5.6K OHM	0	0	RS06	0790077R	RES.CHIP 1/16W 1.0M OHM	0	0
R460	0790024R	RES.CHIP 1/16W 100 OHM	0	0	RS07	AT01049S	RES.MTL FLM 1W 5.6 OHM	0	0

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SYMBOL NO.	PART NO.	PART DESCRIPTION	32"	42"
RS08	0188093M	ES.-CARBON FLM 1/2W 1.5-J	0	0
RS09	0790051R	RES.CHIP 1/16W 10K OHM	0	0
RS10	0790051R	RES.CHIP 1/16W 10K OHM	0	0
RS11	0790051R	RES.CHIP 1/16W 10K OHM	0	0
RS14	0790051R	RES.CHIP 1/16W 10K OHM	0	0
RS15	0790037R	RES.CHIP 1/16W 1.0K OHM	0	0
RY401	FJ00291	RELAY DQ1SU	0	0
RY402	FJ00291	RELAY DQ1SU	0	0
		SWITCH		
S001	2632971	TACT SWITCH SKHH	0	0
		CRYSTALS		
X001	BE00391R	SMD LC FILTER MEA3216L50R0	0	0
X002	BL00291R	OSCILLATOR (SMD-49)	0	0
X600	BK00191R	CHIP CERAMIC FILTER NFL21SP506X1C3D	0	0
X601	BK00191R	CHIP CERAMIC FILTER NFL21SP506X1C3D	0	0
X602	BK00191R	CHIP CERAMIC FILTER NFL21SP506X1C3D	0	0
X603	BK00191R	CHIP CERAMIC FILTER NFL21SP506X1C3D	0	0
X604	BK00191R	CHIP CERAMIC FILTER NFL21SP506X1C3D	0	0
X605	BK00191R	CHIP CERAMIC FILTER NFL21SP506X1C3D	0	0
XS01	BE00391R	SMD LC FILTER MEA3216L50R0	0	0
XS02	BE00412R	3218 CHIP LC FILTER	0	0
XS03	BE00412R	3218 CHIP LC FILTER	0	0
		MISCELLANEOUS		
J401	2672967	JAK-YKC21-1P-BLK	0	0
J601	ED03473	CP-24BP1R9H^DVI-D	0	0
J602	EY01491	SOCKETYKF51-5376	0	0
PAS1	2902261	PLUG PIN SUB MINI 2P	0	0
PAS2	2902262R	PLUG 03P EH TAPE	0	0
PDA1	EA01252R	1.5MM PITCH 12P CONNECTOR BASE SM3	0	0
PDS	EA01092R	CONNECTOR DF13-20DP-1.25V(59)	0	0
PG2	ED01531	PLUG 02BP3R9V-VH(PBT)	0	0
PMW	2902266R	PLUG 07P EH TAPE	0	0
PPA	2902263R	PLUG 04P EH TAPE	0	0
PPS	2902268	PLUG PIN SUB MINI 9P	0	0
PSC2	EA00345R	CONNECTOR CPC06PH2R0VTPH-SM3	0	0
PSU	ED03494	5P XH CONNECTOR PLUG B 5B-XH-A	0	0

Plasma Panel -Filter PWB

		CAPACITORS		
C001	0800324R	CAP.-ELECTRO. 100UF-M(SMG) 6.3V	0	0
C002	0244171R	CAP.-CERAMIC 0.01UF-Z F 50V TAPE	0	0
C902	AN01447S	ACROSS CAPA 0.47UF 250V RE474		0
⚠ C903	AN01447S	ACROSS CAPA 0.47UF 250V RE474		0
C906	AN01447S	ACROSS CAPA 0.47UF 250V RE474		0
		DIODE		
D001	2343561	LED SPR-54MVW	0	0
		FUSE		
⚠ F902	FN00439	HT FUSE 250V 6.3A 5.2X20MM	0	0
		UNITS		
H001	CZ00641	GP1U281Q	0	
H001	CZ00833	R/C REC.GP1U281R		0
		COILS		
L481	BZ05521	DC COM. MODE CHOKE COIL 7UH 2A		0
L482	BZ05521	DC COM. MODE CHOKE COIL 7UH 2A		0
		RESISTORS		
R001	0700038M	RES.-CARBON FLM 1/16W 680-JB	0	0
R002	0700037M	RES.-CARBON FLM 1/16W 560-JB	0	0
R003	0700041M	RES.-CARBON FLM 1/16W 1.0K-JB	0	0
R902	AT03672M	RES.MTL GRAZD FLM 1/2W 3.3M	0	0
		MISCELLANEOUS		
EGND	ED01651R	CONNECTOR CP-03PH2R5V	0	0
JA402	ER00061	JACK SP TERMINAL		0
JA403	ER00061	JACK SP TERMINAL		0
PAS3	2902261	PLUG PIN SUB MINI 2P		0
PAS4	2902262	PLUG PIN SUB MINI 3P		0
PPU1	ED02812	6P VH CONNECTOR PLUG #2,4,5 NC	0	0
PPU2	ED02801	2P PLUG PIN	0	0
PSC2	2675285	PIN POST (PH 6P)		0
PSC2	2959055	CONNECTOR-6P(PH)	0	
PSW	ED02811	8P VH PLUG PIN	0	0
		PT3 32" & 42" OWNER & ACCESSORIES ASS'Y	32/42HDT50	32/42HDT55
E01	EV01841	POWER CORD 125V10A UL/CSA	0	0
#10	SG33824	ACCESSORIES BOX	0	0
E001	FQ00021	DRY BATTERY(R6P-AA)	0	0
E002	FR00061	DRY BATTERY R03(AB) E T		0
N001	QR55651	HDT50 INSTRUCTION MANUAL	0	
N001	QR57371	HDT55 INSTRUCTION MANUAL		0
N202	H463072	PLASMA TV WARRANTY CARD USA	0	0
N203	H463111	PLASMA TV WARRANTY CARD CANADA	0	0
U001	HL01826	RML-CLU-5726TSI	0	0
U002	HL01861	RCT-CLU-120S		0
N213	H463181	IMAGE RETENTION	0	0
		PT3 32" FINAL ASS'Y	32HDT50M	32HDT55M
#015L	PH32166	SP NET 32PD3000E L		0
#015L	PH32168	SP NET 32M BLK L	0	
#015R	PH32165	SP NET 32PD3000E R		0
#015R	PH32167	SP NET 32M BLK R	0	
#018U	PH32153	DECO PANEL 32HDT50M	0	0
#01U	QD35263K	BEZEL ASS 32HDT50M K	0	
#01U	QD35264K	BEZEL ASS 32HDT55M K		0
#021U	QA02252K	COVER 32 AL (K)	0	0
#035U	QJ01171K	STAND ASSY 32-MAN(K)	0	0
#041	NQ22331K	CENTER FRAME PDP32(K)	0	0
#0501	NQ22281K	MAIN FRAME R M3000(K)	0	0
#0505	NQ22282K	MAIN FRAME L M3000(K)	0	0
#0601	GM01211	SPEAKER UNIT SPU-32PT3	0	0
#0800	KS06491K	32"FRONT FILTER (FIBER MESH)	0	
#0800	KS06552K	32"FRONT FILTER (FIBER MESH)		0
A	DD00531K	FLTFPF32C106128UA-71EXPORT	0	0
E1	EF21373	CONNECTOR CO-02C-N110-211-VT	0	0
U1	HA01121K	POWER UNIT MPF7103-K	0	0
		PT3 42" FINAL ASS'Y	42HDT50M	42HDT55M
#0800	KS06492K	42"FRONT FILTER(FIBER MESH)	0	
#0800	KS06551K	42"FRONT FILTER(FIBER MESH)		0
#092	QD34904K	FRAME ASSY 42HDT50M	0	
#093	QD34905K	FRAME ASSY 42HDT55M(K)		0
#095	QD34782	PT3 FRONT FRAME 42	0	0
#097	PH32013	PT3 DECORATION PANEL 42U	0	0
#098	PC05481	PT3 RC LENS 42	0	0
#201	QA02503K	BACK COVER W42M3000(K)	0	0
#300	QJ01191K	STAND ASSY 42-MAN(K)	0	0
#402	QA02436K	MAIN FRAME 42PT3(K)	0	0
A	DD00552K	FLTFPF42C128128UB-75EXPORT	0	0
E1	EF21373	CONNECTOR CO-02C-N110-211-VT	0	0
U1	HA01133K	POWER UNIT MPF7404L-K	0	0
		PT3 42" MONITOR PRODUCT ASS'Y		
SPU	GM01193	SPEAKER UNIT 42PT3(USA)	0	
SPU	GM01195	SPEAKER UNIT 42PT3 (S)USA		0

NOTE: The above listed parts are for the Plasma unit only.

QUICK REFERENCE PARTS LIST
AVC IC'S & UNITS

No.	Cir.No.	P#	Description	Function	PWB ASSY	Remarks
1	H901	CW00352	UPM0518SA	SWITCHING REGULATOR	POWER	
2	I901	CZ00869	STR-F6668B(LF1351)	SWITCHING REGULATOR	POWER	
3	I902	CP07851	TLP421	OPT.ISOLATOR	POWER	
4	I905	CP07851	TLP421	OPT.ISOLATOR	POWER	
5	I930	CK37171R	SPI-8010A	+5.5V REGULATOR	POWER	
6	I931	CP08111U	SI-8010GL	+1.8V REGULATOR	POWER	
7	I932	CK37194R	SI-3050LSA-TL	+5.0V REGULATOR	POWER	
8	I933	CK37162R	SI-8033JD	+3.3V REGULATOR	POWER	
9	DM01	CH02031R	SPR-505MVW	LED	CONTROL	
10	DM02	CH02721	PNZ313B	I/R Receiver	CONTROL	
11	HM01	CZ01091	GP1UA261XK	I/R Receiver	CONTROL	
12	I001	CK38641U	M306V7FHFP-FLASH	TV u-com	AV	
13	I002	CK37051R	BD4729G-TR	RESET IC	AV	
14	I003	CK35894R	CAT24WC32J1	EEPROM	AV	
15	I004	CK31992R	BU4053BCF-E2	OSD/FLASH SELECTOR	AV	
16	I201	CK31992R	BU4053BCF-E2	CCD SELECTOR	AV	
17	I202	CK37412U/22U	S3*80F9XKN-QZR7	IR-BLASTER	AV	
18	I203	CK32271R	MC74VHCT244ADTR2	OCTAL BUS BUFFER	AV	
19	I204	CK31992R	BU4053BCF-E2	BLASTER/ R/C SELECTOR	AV	
20	I206	CK32271R	MC74VHCT244ADTR2	OCTAL BUS BUFFER	AV	
21	I207	CK01172R	HD74HC221FPEL	H-SYNC PHASE SHIFT	AV	
22	I208	CK35893R	CAT24WC16J1	EEPROM	AV	
23	I401	CK31991R	BU4052BCF-E2	AUDIO SELECTOR	AV	
24	I402	CP02601	AN5285K	PERFECT VOL.	AV	
25	I403	CK31031R	BA3530FS-E2	HEAD PHONE AMP.	AV	
26	I904	CK37212R	TK11125CSCL	+2.5V REGULATOR	AV	
27	I905	CK37194R	SI-3050LSA-TL	+5.0V REGULATOR	AV	
28	I906	CK37194R	SI-3050LSA-TL	+5.0V REGULATOR	AV	
29	I907	CK38377R	SI-3090KM	+9.0V REGULATOR	AV	
30	I908	CK38377R	SI-3090KM	+9.0V REGULATOR	AV	
31	I909	CK38377R	SI-3090KM	+9.0V REGULATOR	AV	
32	I910	CK37193R	SI-3033LSA-TL	+3.3V REGULATOR	AV	
33	IJ01	CK35163R	SII907BCQ52	DVI(TMDS) RECEIVER	AV	
34	IJ02	CK37051R	BD4729G-TR	RESET IC	AV	
35	IJ03	CA01301R	NDC7002N	BUS LEVEL CHANGE	AV	
36	IJ04	CP05273U	M24C02-BN6	EEPROM for DDC	AV	
37	IJ05	CK37194R	SI-3050LSA-TL	+5.0V REGULATOR	AV	
38	IJ06	CK37193R	SI-3033LSA-TL	+3.3V REGULATOR	AV	
39	IM01	CK38791R	NJM2137V	Amplifier	CONTROL	
40	IV01	CK07631R	TC90A45F	2L COMB. For SUB	AV	
41	IW01	CK36951U	UPD64083GF-3BA	3D Y/C SEP.	AV	
42	IW02	CK06097R	PST9127NR	RESET IC	AV	
43	IX01	CK30941U	CXA2069Q	A/V SELECTOR	AV	
44	IX02	CK34811U	MM1519XQ	YPbPr SELECTOR	AV	
45	IX03	CK38101R	NJM2584M(TE1)	YPbPr SELECTOR	AV	
46	IZ01	CK38721R	TA1383FG	SUB VIDEO/CHROMA	AV	
47	IZ02	CK38721R	TA1383FG	MAIN VIDEO/CHROMA	AV	
48	IZ03	CK31041R	TA1287F(EL)	MAIN CCD MIXER	AV	
49	IZ04	CK38101R	NJM2584M(TE1)	YPbPr SELECTOR	AV	
50	IZ05	CK31041R	TA1287F(EL)	SUB CCD MIXER	AV	
51	IZ06	CK31992R	BU4053BCF-E2	M/S CCD SYNC SELECTOR	AV	
52	U101	HC00512	F-E-ENGE6106DR	1st Tuner	AV	
53	U102	HC00463	F-E-ENG36614GR	2nd Tuner	AV	
54	A21	CS00721	HCP131 ASS'Y	Flex Controller	AVC FINAL	
55	EANT	HP00771	UNX ANT SW	ANT SW BOX	AVC FINAL	

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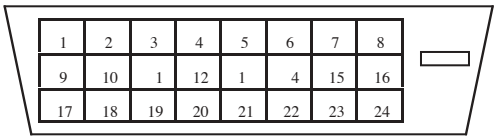
Function of Digital Interface

(1) Specification of TMDS connector (24P DVI-D)

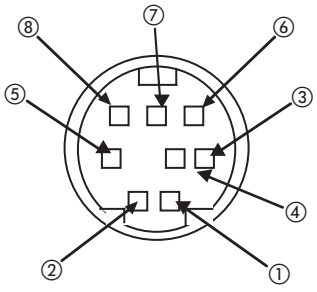
No.	Signal name	Function	Remarks
1	T X 2 -	Difference data	AVC→PDP
2	T X 2 +	Difference data	AVC→PDP
3	T X 2 Shield	Shield ground	GND
4	NC		
5	NC		
6	SCLH	PDP u-con clock	PDP→AVC
7	SDAH	PDP u-con data	PDP→AVC
8	NC		
9	T X 1 -	Difference data	AVC→PDP
10	T X 1 +	Diference data	AVC→PDP
11	T X 1 Shield	Shield ground	GND
12	NC		
13	NC		
14	AVDET	AVC Voltage det.	AVC→PDP
15	GND		
16	HPDET	Conn. Connection det.	PDP→AVC
17	T X 0 -	Difference data	AVC→PDP
18	T X 0 +	Difference data	AVC→PDP
19	T X 0 Shield	Shield ground	GND
20	NC		
21	NC		
22	T X C Shield	Shield ground	GND
23	T X C +	Difference clock	AVC→PDP
24	T X C -	Difference clock	AVC→PDP
	GND	GND	



FRONT VIEW

(2) Sound/Control connector pin specification (8 pin DIN)

No.	Signal name	Function	Remarks
1	TXDO	u-con data transp.	AVC→PDP
2	RXDO	u-con data trans.	PDP→AVC
3	PARITY	Field info.	AVC→PDP
4	REM PDP	PDP I/R Signal	PDP→AVC
5	AUDIO L	Audio L	AVC→PDP
6	AUDIO R	Audio R	AVC→PDP
7	PDDET	Detector PDP pow.	PDP→AVC
8	AVDET2	Detector AVC pow.	AVC→PDP
frame	GND	GND	



FRONT VIEW

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Part Numbers for Plasma TV Products

32HDT50 / 32HDT55

FPF17R-ABL5014	ADDRESS BUS BOARD(LEFT)32HDT50
FPF17R-ABR5015	ADDRESS BUS BOARD(RIGHT)32HDT5
FPF17R-LGC5018	LOGIC BOARD 32HDT50
FPF17R-XSS5016	X-SUS BOARD 32HDT50
FPF17R-YSS5017	Y-SUS BOARD 32HDT50
GM01211	SPEAKER UNIT SPU-32PT3
HA01121K	POWER UNIT MPF7103-K
HL01826	RML-CLU-5726TSI REMOTE CONTROL
JP06521	SIGNAL/AUDIO PWB
JT24071	FILTER PWB

42HDT50 / 42HDT55

FPF16R-ABL5010	ADDRESS BUS BOARD (LEFT)
FPF16R-ABR5011	ADDRESS BUS BOARD (RIGHT)
FPF16R-LGC5007	LOGIC BOARD
FPF16R-XSS5008	X-SUS BOARD
FPF16R-YSS5009	Y-SUS BOARD
FPF16RLGC500703	LOGIC PWB (PANEL ENDING UB-75)
GM01193	SPEAKER UNIT 42PT3(USA)
HA01133K	POWER UNIT MPF7404L-K
HL01826	RML-CLU-5726TSI REMOTE CONTROL
JP06522	PT3 SIGNAL/AUDIO PWB
JT24072	PT3 FILTER PWB

50HDT50 / 50HDT55

GM01232	BLACK SPEAKER UNIT ASSY
HL01826	RML-CLU-5726TSI REMOTE CONTROL
JP06252	PWB ASSY SIGNAL/AUDIO
JT23782	PWB ASSY FILTER
TS03882	PWB ASSY X DRIVE
TS03892	DIGITAL VIDEO PWB ASSY
TS03952	PWB ASSY Y DRIVE
TS03961	PWB ASSY SUB ADDRESS A
TS03971	PWB ASSY SUB ADDRESS B
TS03981	PWB ASSY SENSOR
TS04071	PWB ASSY SW POWER
TS04311	INTERFACE PWB ASSY

Part Number	Description
AVC-50	**AVC Unit**
AVC-51	**AVC Unit**
AVC-53	**AVC Unit**

Part Numbers for Plasma TV Products

32HDX60

FPF17R-ABL5014	ADDRESS BUS BOARD(LEFT)32HDT50
FPF17R-ABR5015	ADDRESS BUS BOARD(RIGHT)32HDT5
FPF17R-LGC5018	LOGIC BOARD 32HDT50
FPF17R-XSS5016	X-SUS BOARD 32HDT50
FPF17R-YSS5017	Y-SUS BOARD 32HDT50
GM01211	SPEAKER UNIT SPU-32PT3
HA01122	POW-UNIT MPF7103
HL01826	RML-CLU-5726TSI REMOTE CONTROL
HL01861	RCT-CLU-120S

42HDX60

FPF16R-ABL5010	ADDRESS BUS BOARD (LEFT)
FPF16R-ABR5011	ADDRESS BUS BOARD (RIGHT)
FPF16R-LGC5007	LOGIC BOARD
FPF16R-XSS5008	X-SUS BOARD
FPF16R-YSS5009	Y-SUS BOARD
FPF16RLGC500703	LOGIC PWB (PANEL ENDING UB-75)
HA01134	POW-UNIT MPF7404
HL01826	RML-CLU-5726TSI REMOTE CONTROL
HL01861	RCT-CLU-120S
JP06524	SIGNAL/AUDIO PWB

50HDX60

HL01826	RML-CLU-5726TSI REMOTE CONTROL
HL01861	RCT-CLU-120S
QR57971	HDX60 INSTRUCTION MANUAL
SG33824	ACCESSORIES BOX
TS03882	PWB ASS Y X DRIVE
TS03892	DIGITAL VIDEO PWB ASSY
TS03952	PWB ASSY Y DRIVE
TS03961	PWB ASSY SUB ADDRESS A
TS03971	PWB ASSY SUB ADDRESS B
TS03981	PWB ASSY SENSOR
TS04071	PWB ASSY SW POWER

Part Number	Description
AVC-50	**AVC Unit**
AVC-51	**AVC Unit**
AVC-53	**AVC Unit**